

attcaaacag	agccttataa	agtacatgga	aactcaaaga	agttacacag	ccttggctga	840
agcaaaactgc	ctaaaaggag	ccttaatcaa	aacacaactg	tgtgttttat	tttgtattca	900
gttgtttctc	agattgataa	ttctgtggct	ttgcatactg	cacagcatgt	gcaatttggt	960
ttgttgctta	ctcttttagta	tgtgcaattt	attctgcagt	ttgctgttta	ttatacccaa	1020
aaagttaatg	atatttttga	gaacagttat	tagactagaa	cgcaagactc	ctagggtata	1080
gttacagatc	ccagttatta	tttactcact	atcatttagt	gggtgaatca	cagtaatttc	1140
cctgtaaaat	gtggtacctg	aagtcataat	tgagattcta	tgaaatgttt	aaatctgaac	1200
atcactccaa	ttattaatga	accaaatacat	acgataagtt	actgtttgca	ttgaaatata	1260
atatcaaagc	cttttgaaat	ctgtaaacat	aaaattcctc	tcattttcaa	atatctaaag	1320
ccagttttat	gttcctaaaa	tctcattttc	ttctttctag	tactactatt	tctattgaat	1380
ataatgaaaa	tggaataaaa	ataatattac	ataaactgta	aaaaaaaaa		1429

<210> 4309

<211> 1296

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1295)...(1022)

<223> similar to gi6017904 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4309

tttcatgact	ttaaaaaaaa	actccaaaac	aattaagcta	tttttattta	acatgtaata	60
gtcataaagc	aactccatat	athtagtttt	ctgatatcct	aatgtatttc	cacaaacctt	120
ttaagtctac	aattttatat	agttttccat	caggagggca	agatatatat	aatttctttt	180
tatatttaac	taaagggttt	aagagggtct	agtctctaaa	tcagtaacaa	ttagtcataa	240
caccatacaa	acacatttaa	atattcgagg	aagagggtgt	taagattatt	gcttagtctt	300
ataaaatggt	gaattttaac	caaattgata	cctctgtaat	cttatttatg	tttcctataa	360
catcatactg	cttggcaagt	aatgtaagtt	ttgacataat	ttaaaaattc	aagtagttgt	420
aaacaaattc	taatttggtt	aacaattcat	atattcccct	ttagttacta	tactacctca	480
gaattaatcc	tccttaaaaa	agtaatcatc	ccacatagaa	aaaactgcag	agcttcatct	540
cttccttaaa	tattttcaag	tactgtaaga	acacaaatcc	atgaaaaaac	tgattaaaat	600
ttgacatttc	atcttgcttt	actaattatg	gaataatata	aaaacataaa	aaaaatgttc	660
cttaatat	ctttgcttaa	cagagaaata	caaagaaata	ctgcaattat	ggttatgggc	720
tactttccag	cctcttcaag	tataggacac	aactatgggt	cctaccagta	gggagaaatg	780
aataatcaat	cttacataac	acaaaagaaa	gatgagaggc	acaaaaagac	aaactgactt	840
tggcttttaa	gaacctaatg	ttaaccctga	aatgccacat	tcagtaacac	aacaacaaaa	900
caaaagatta	cagcagcaag	ccaccacttc	acacagtatt	aaaaattcgg	aaataatgta	960
atagccttcc	ttccatctcc	cactcaatct	gttgtgtcat	ctttttgttt	ttcctgcttt	1020
ttagctgcag	gcagttcaag	gcttgcccac	tgcatcggtt	cagcttttct	catagtgaat	1080
tcaatctttg	ttgcagtcac	agttacataa	cttcgcttta	catcaatcac	accccataat	1140
ttcacatttt	gatcaaattc	cttctctcct	tcaaatacaa	tatgcacatt	taacaatgtg	1200
ctatttgctt	ctactcggct	aagttctgga	agtgaagttt	tagcatatac	tgaaatggta	1260
acttcacctc	cagtcctgatg	ccagtcacgt	ctaccc			1296

<210> 4310
 <211> 2047
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (249)...(1543)
 <223> similar to gi2829884 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

09486736.043100

```

<400> 4310
tgcggccgcc gccgcggcgg ggagcgcgtc tccgcgcagc tgggatctat ttggatgcgc      60
aggcaggagg aggaggccgt gggcgacggc gatggcgacg gggacgcgga ctcggaacggc      120
gaggacgacc cggggcactg ggacgcggac gctgccgaag ccgccaccgc cttcggggcc      180
agtggcgggg gccgcccgc ccccccggtc gctggctgcc gaggagatcc gacagatgct      240
acagggcaag gccgctggcc gacacgatgc gtcctgacac gctgcaggat tacttcgggc      300
agagcaaggc cgtggggccag gataccctgc tgcgctcgct cctggagacc aacgaaatcc      360
cctcgcttat cctgtggggg ccgcggggct gcggcaagac cactctggct cacatcatag      420
ccagcaacag caagaaacat agcataagggt ttgtgacatt atctgcaaca aatgccaaaga      480
caaatgatgt gcgagatgtc ataaaaacaag ctcaaaatga aaagagcttt ttcaaaagga      540
aaaccatcct ttttattgat gagattcatc ggttcaataa atctcagcag gacactttcc      600
ttcctcacgt ggaatgtggg acgatcactc tgattggggc aaccactgaa aacccttcct      660
tccaggtcaa cgctgctctt ctgagccgct gtcgagtgat tgttcttgag aagcttccag      720
tagaggcaat ggtgactatt ttaatgcgag cgatcaactc cctgggaatc cagctcctag      780
actctagccg tcccactgac cctctgagcc acagcagcaa cagcagctca gagcccgcga      840
tgttcataga ggataaagca gtagacaccc tggcttacct cagtgcaggc gagccccgag      900
ctgggttgaa cggactgcag ctggcgggtgc tggctagggt aagctctagg aagatgttct      960
gtaagaagag tgggcaatcc tattctccca gtagagttct gatcacagag aatgacgtga     1020
aggaggccct acagcgatcc cacattttat atgaccgggc aggtgaggag cattacaact     1080
gcatctccgc cctgcacaag tccatgcggg gctcagacca gaacgcctcc ctctactggc     1140
tggctcgcat gctcgaggga ggagaggacc cactctacgt ggcacggagg cttgtcagggt     1200
ttgccagcga ggacataggt ctggcagacc cgtctgcgtt aacacaagcg gttgctgcct     1260
accaaggctg tcattttata ggcatgcctg aatgtgagggt gcttctggcc cagtgtgtgg     1320
tctactttgc cagagcccca aagtccattg aggtgtacag cgcctacaac aacgtcaaag     1380
cctgcctgag gaaccaccag gggccactgc ccccctgcc cctgcacctg aggaacgcgc     1440
ccactaggct gatgaaggat ttgggctatg gcaaaggcta caagtacaac cccatgtaca     1500
gcgagcctgt ggatcaggag tacctgcctg aagagttgag ggggtagat ttcttcaagc     1560
agaggagggt ctgactcctc agggcacgac agcagaagga tgttgctttt ttaaggagg     1620
gccagaaaga aagttagtgg attgcaaagt tggttgcctg gtggaagtta gaacagacca     1680
acattttgtg ccagaaatth aagagttcca taggtggagg cgcagttctt tcgaataaat     1740
gtgtaacttt gaaatttgtt tcatttgcac tcggtgccag cggttatgct tatgaaaata     1800
cctggcagct ttgtgcaatg aattaatggt ataaggaatt atctattttg tcatagtatt     1860
taagtcataa tgtcatttca gaattcagtt ctgtaggatt ttcttttctt taaaaaatgt     1920
atattctggg tagttttaat tggtaaaaaa atgtaattgt gatttaatac tgcatagtgt     1980
tttgggtatt ttttttatat gcaaaggctt tacgagccaa taaaactatt tcaaagtaaa     2040
aaaaaaa                                           2047
  
```

<210> 4311

<211> 2319
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc feature
 <222> (2235)...(1431)
 <223> similar to gi3168911 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4311

ttttgtgtgc	aatacaaaata	aaattttttat	atatttttttt	tattcctaca	gagaagaaga	60
aacacattcg	tacaagggtt	catttcccag	tggttaaatg	tactgagaaa	aatacattta	120
acaaagtaac	tcaaggatac	aactgctgtg	aattcaaaag	acagactact	acaggaaaag	180
tgagtgcact	tactttcata	ttttgcagct	gttaatagaa	gtcttaaaca	tttaaaat	240
aactaattca	cacaacctcc	accaagtatc	agtaaataaa	cttctaaaca	ataaaaaatg	300
ataaacatgg	tcaggttggt	agggttaagag	ctaaaaat	cattttgctt	ccatgggtgc	360
aacccatgag	cttaaggcct	tcaaagcata	aacatcacag	aacacctatc	acaaaccaca	420
aaccaaccac	aggaaaaccc	tttttatact	gtgtatcttc	tgtatttcat	taaacctaat	480
aagccatcag	ttgtaagatg	catcctaatt	cagagatgtc	acaaagtga	ataagtatct	540
ctggatcaat	aaaatatggt	atgtatatat	acccgagata	tgagaggaaa	ctattttacca	600
gtttgaatta	cttccatact	attgtgccaa	acaacaatta	agtgtcaaaa	cattgaaatt	660
ttatgtaggt	aagcttttta	ttattgtttt	ctttacagga	acaataatcc	aaacaaatct	720
tgaaccaatc	tataaacaga	aaacctgtta	tataaattat	tatctat	tgcaatacat	780
caaaatactg	tattgatgaa	aataaataga	taacaaaaac	caatattaca	ttcatttcta	840
tgtttgctat	cagaccccac	aagtatgttt	gttttttaca	ttcattatag	gtgaaaaaca	900
aactgaaaca	caacagggtac	gtacaattac	gccactgtta	aggactgcag	attacacgtg	960
ttaaagcttt	tcttaataaa	atgggaacac	attgctaggt	acacagaaac	atgattttgc	1020
cctaaagaac	agctgaactg	ttgagagaag	caagggcttc	ctagcggcct	tccagtgtag	1080
cagataatat	taccctgtgt	aacagagtat	tacagagttt	tgcat	tcc	1140
gtctaaccat	aaacaaaaca	aagacaaacc	caaacattaa	gatatactga	caatcttggt	1200
cccatatatg	atagaatagt	tctcatacac	tgtaagatt	gatttacttt	tttattagga	1260
gcacttctca	ggtttttggc	atttcacatg	tctacactca	gtgtccattg	gctccttctg	1320
agagtatcct	tgaagggtcg	gtaaat	tttg	cagtgaacaa	gtaaaaaagg	1380
gtaccaaagc	caaaaggggc	aaatcttgct	caagtttatc	cactctggaa	atggagatta	1440
ttccataggc	atgaagtaac	cagtggctga	agagaacaat	aagtcttttc	tttctgacca	1500
gaagatcata	gcagttctct	atttcagaag	cagacatgta	cacagccaga	gtaaccaaag	1560
ataacactaa	tataatgtat	gggaaggcgt	aatataaaaag	gcctccacca	actgcctgaa	1620
gcacgggttaa	aattgggaag	aagtaaagt	cagcataaat	actttttaa	cgatcagatt	1680
tccctaacc	acatgcaatc	ttcttcacca	gaagaggctg	gagcagcatc	attaatacca	1740
agcagaatgc	gtaatagata	aatacaatgg	tatatagtg	gtagacggct	tcatgagtac	1800
agtgtactgt	ggtaacgtaa	tctggacttg	ggttgtaaag	catcgtgtac	cagtcagaaa	1860
gcatcaatac	tcgacatgaa	cgaatataaa	gaacaccaac	tggtactc	acaagtaagg	1920
tgataaatagc	tgccatgctg	cattcaaata	atgcagtgat	gtgttgga	agtgcgctgg	1980
aactcttttt	ccccgagtag	cattcaatga	agaaccaatg	taaaaccaga	ggaagcattg	2040
ccataaatcc	aagatagagc	caatcataaa	gttcaggaga	ttctgtgcaa	ggctgacaat	2100
at	ttctgtgc	at	ttctgtgc	at	ttctgtgc	2160
ttgagccatt	tttaataat	agggtcttcc	cacaataaag	tccaaggcat	gctgggtgaa	2220
tatcgacagc	catgggccgc	ctgaagggtt	ttttcgagaa	gcgctagatc	agcggatctg	2280
gcagctgcac	cgaacatccg	ggccacagcg	agctcggcg			2319

007370 5348460

<210> 4312
 <211> 1703
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (110)...(1015)
 <223> similar to gi4589524 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4312

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gtgggcttgg	ctgtgctgta	tgatgggatc	tgggcttctg	tgttgaggtc	agtcttcact	120
gggtccaatg	gaggatggat	tcttggatga	tggccgtggg	gatcagcctc	ttcatagtgg	180
cctgggttca	cctcactgct	tcagtcacca	caatggggaa	agagtggaaac	gatattctcg	240
aaaggtgttt	gtaggcggat	tgcctccaga	cattgatgaa	gatgagatca	cagctagttt	300
tcgtcgcttt	ggccctctga	ttgtggattg	gcctcataaa	gctgagagca	aatcctattt	360
tcctcctaaa	ggctatgcat	tcctgctgtt	tcaagatgaa	agctctgtgc	aggctctcat	420
tgatgcatgc	attgaagaag	atggaaaact	ctacctttgt	gtatcaagtc	ccactatcaa	480
ggataagcca	gtccagattc	ggccttggaa	tctcagtgc	agtgcctttg	tgatggatgg	540
ttcacagcca	cttgacccac	gaaaaactat	atttgttgg	ggtgttcctc	gaccattacg	600
agctgtggag	cttgcgatga	taatggatcg	gctatatgga	ggtgtgtgct	acgctgggat	660
tgataccgac	cctgagctaa	aatacccaaa	aggagctggg	agagttgcgt	tctctaataca	720
acagagttac	atagctgcta	tcagtgcctg	ctttgttcag	ctgcagcatg	gagagataga	780
taaacgggtg	gaagttaagc	catatgtcct	ggatgatcag	ctgtgtgatg	aatgtcaggg	840
ggcccgttgt	gggggggaaat	ttgctccatt	tttctgtgct	aatgttacct	gtctgcagta	900
ttactgtgaa	tattgctggg	ctgctatcca	ttctcgctgc	ggcaggggaat	tccacaagcc	960
cctggtgaag	gaaggcgggtg	accgccctcg	gcatatttca	ttccgetgga	actaaaggat	1020
aactgcagtg	ctcatttttca	ggcctcagaa	taagtgcact	cttctgttca	ttctgacccc	1080
ttcctcaacc	tcttcacgct	ggcatgtcct	tttgtagcag	tctgtaactt	aactatagta	1140
taatgaaaag	aatgacctat	aatataggtg	ttttgtagat	tcttgtgtca	ctgcaaacia	1200
tatgaactcc	tttttcgtat	tgccatcggtg	ttgcatggaa	gtttttattct	cttgtttttgc	1260
tggaaaccaa	gaggatccaa	acttcctgca	acattttctt	agaggagaga	gagaaatatt	1320
aaaagagaaa	tgaacaata	gagtattttg	ggtttttaat	taaattattg	ttaataatat	1380
aacatataag	aatactttta	ttaaaataac	catgcaacaa	taacactatc	ggtctatttg	1440
acagtttttc	ccccagggaa	gtgctttttg	cttttccttt	ctttttatatt	tactcttctc	1500
atcttttttg	tctctctctt	ttttccatcc	ctttttaatt	tttttaacag	caatggagga	1560
agttaacaat	ttttaatgga	aagagcatgt	tagagcaaac	aaatgcataa	gcaagactga	1620
gcagcattat	aattaatttt	cagggttttg	aggctgaaca	taatttcatt	atccctcaaa	1680
aagttaccac	cacatcagaa	aaa				1703

<210> 4313
 <211> 2071
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (2000)...(1156)
 <223> similar to gi3789797 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4313

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gctttacatg	tttcattcca	tacacagtga	aaaaggcaaa	gtattactag	gaaggaaatg	120
agtagttggg	tttgtaaaag	atthattgat	cacataaaag	caatgaatag	gagatgacat	180
atatctaact	catgattaca	aaacttttag	agacaactag	gttaaataatt	tcatgttttg	240
gctaaggga	aagaattcat	gatctcgtaa	aagaagttca	aagtcaacac	tgatattgta	300
caactaccag	tgcttttcta	atgatctaga	aatttgctat	aaatagcttt	actttttgct	360
agttaatcac	ttactatgat	tgggttttat	ttaacagtga	ggactaaaga	ggcagaatcc	420
ttttttaacc	actggataaa	acagagacat	aaattaatga	tgggtgctaa	gctttacatt	480
ttatgttaaa	aagatggaat	atatttaagt	ggattgaata	tatttcatga	ggagttggac	540
atattaaacc	cccaaatctg	tttaggaagt	tttgtagaga	agtgtgtata	tgcccttgact	600
cactctggct	tactttttaa	atggaataca	tttggcacta	aataaaataa	atagacaagc	660
aaactgtgag	actaagctgc	tccatctgag	ttgccatct	tgacttaca	ttcactactat	720
ttcttagttc	ttgactgagc	acaaacagac	ctaaccgtat	agcacttctg	tgatgcatga	780
aaatagaatc	tagagctaag	atactgcgct	tcactgatga	gccaatcttc	tattctgccca	840
aatcatagat	tacaaatgtg	aaattcattc	aagaaattca	catttttaac	aatgcttat	900
actttttcaa	gtttttcttg	tagatatgtt	cttggttttg	tggccagcta	aaatatgatc	960
tttgaattaa	ggaaatccat	ataaaagaaa	catctatttt	ataggaacct	catttcactt	1020
gaaactttct	ttaccaaaa	accaaaccac	aactttgtca	ccaaactcct	ggaacaaagc	1080
actggtggct	atatttcaga	gtctgaagtc	cactcatttt	tcatgtttca	aggttctctt	1140
catttgctcc	acaagtatcg	acaacacaaa	ttaaacaact	tgtgactgga	aaagcacgaa	1200
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aatattccac	attgtccaga	ccacctaaac	cattctgacc	acccacagca	aatatcttgt	1440
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caaataaata	cagagctgag	tttctacttt	ctgaacctcc	agatgtataa	attttgcctt	1740
ctgcagcaca	tgcagcaagg	ctgtctcgag	gtgtcggagg	accagttttc	gaataaccagc	1800
tatccttcac	tacattatag	cagtccattc	gctttatttg	gaaaagctga	gagcctccca	1860
aaatgtatac	tacattgtcc	caaaacacgc	atgctgcata	tcttcgtttt	tcaaaggggc	1920
agcggatgtc	tgtccagcta	taatcctttg	gggttaaaata	tctacaagac	tgtggttgag	1980
agcctccaaa	tagggctatg	cggtagtcac	gtttctttct	tctaggtctt	gtgccaatcta	2040
caagttcttc	tcggtcatct	ggagacagta	g			2071

<210> 4314
 <211> 1797
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (26)...(1040)
 <223> similar to gi5689453 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4314

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gcgatatgaa ctcatgtctg atgtcaacaa gcccatcatt gctgtctttg agaaacaacg 120
agacttcaaa aaattgtcag atctctacta cgacattcat cggtcataatc tgaaagtggc 180
agagggtgtg aattcggaga agcggctgtt tggctgctac tatcgtgtgg cattttatgg 240
gcagggtctt tttgaagaag aagaaggtaa agagtataat tataaagagc ctaagctgac 300
aggtctgtcc gagatttccc aaagattact caagctctat gcagataaat ttggagcaga 360
caatgtgaag ataatccagg attccaacaa ggtaaaccac aaggatttgg accccaaata 420
tgcctacatc cagggtgacct atgtgacgcc gttctttgag gaaaaggaaa tcgaagaccg 480
gaagacagat ttcgaaatgc accacaacat caaccgcttt gtcttcgaga cacccttcac 540
gctgtcgggc aagaagcacg gtgggggtggc ggagcagtgc aagcggcgga cgatcctgac 600
aacgagtcac ctgttcccct acgtgaagaa gagaatacaa gtaattagcc aatcgagcac 660
agaactgaat ccaattgaag tggcaattga cgagatgtcc aagaagggtt ctgagcttaa 720
tcagctttgc acaatggaag aagtggacat gatcagactg cagctcaaac tgcaagggaag 780
tgtcagcgtg aagggttaat ctggggccaaat ggcctatgca cgagcttttc ttgaagaaac 840
caatgcaaag aagtaccctg acaaccaagt aaagcttttg aaggagatct tcaggcaatt 900
tgcagatgca tgtgggcagg cccttgacgt gaatgagcgc ctcatcaaag aggaccagct 960
ggagtaccag gaagaactga ggtcccaact caaggacatg ctacgcgaac tctccacagt 1020
catgaatgag cagattacgg gcagggacga cctgtcaaag cgcggagtgg accaaacctg 1080
cactcgagta attagcaaag caactccggc cctaccacag gtctccatct catctagtgc 1140
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ctaactctcg ggaagagaaa gatagggtta atttatttga agttttcatg gtgttaatat 1260
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attttttttt tctttgagca gtgttgatca agccaagtgt aatatttgcc atgaaattcc 1380
agtgaatgtg tagctcaaat gcaaacccta agtttgctgt ccagttattg tatggtccag 1440
taccocagtc ctagtacaca tattttaaag gttaaagtga atgtttttgt aacatttaag 1500
ccatatttcc agatgtaaat aaaagattgt aaaatatacg gtttttacc aaatttaaaa 1560
gatccttttt agttaatact atgacagtac taaaaatata tgaataacat ttcagatacc 1620
attatattaa aatatttgtg tatgtgtacg aaaagcgttg ataaataact atcttttaag 1680
tttgtggagt tcctttatct gtaatatatg tgctcttaaa agcaatggga tgtgaaatta 1740
tgaaagtatt ttattgttca tagaaataaa aaacacagtt actttgcaaa aaaaaaaa 1798
```

<210> 4315

<211> 2514

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(1880)

<223> similar to gi5281314 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4315

```
tgaacagatg ggtgatcata aaatggccat ggatgggttat aggcgtatct taaacctttt 60
```

gtctccatct	gatggcgaac	gttttatgca	gctggctaga	gatatggcaa	agagttacta	120
tgaagccaat	gatgttactt	ctgctattaa	cataattgat	gaagctttct	caaaacacca	180
gggcctagtc	tccatggaag	atgttaacat	agcagctgaa	ctatataatt	ctaacaaaca	240
gtatgacaaa	gctttggaga	taattacaga	tttttctgga	attgtgctgg	aaaaaaaaac	300
ttcagaagaa	ggcacctcag	aagagaataa	agctcctgag	aatgttacct	gcactatacc	360
tgatggcgtg	ccaatagata	tcacagtga	gttgatggtc	tgccctgtac	atctcaacat	420
tcttgaacca	cttaatcctc	tcttgacaac	actagtagaa	cagaatcctg	aagatatggg	480
agacctatac	ctagatgttg	ctgaagcttt	tctggatgtt	ggtgaatata	attctgcact	540
tcccctcctc	agtgtccttg	tttgctctga	aagatacaac	cttgcaagtag	tttggcttcg	600
tcatgcagaa	tgtttaaagg	ccttaggcta	tatggagcga	gctgctgaaa	gctatggcaa	660
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catgctttta	aaggtagcaa	tgaatcgagc	ccaagtttgt	ttgatatcca	gttccaagtc	960
tggagagagg	catctttatc	ttattaaagt	atcgagagac	aaaatatcag	acagcaatga	1020
ccaagagtca	gcaaattgtg	atgcaaaagc	aatatattgct	gtgctcacia	gcgtcttgac	1080
aaaggatgac	tgggtggaatc	ttctgttgaa	ggccatatac	tccttatgtg	acctatcccg	1140
atttcaagag	gctgagttgc	ttgtagattc	ctcattggaa	tattactcat	tttatgatga	1200
caggcaaaaa	cgcaaagaac	tagaatactt	tggctctgtct	gctgcaattc	tggacaaaaa	1260
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ctgtctccgt	ttgatgctga	aaaaccgaga	aaatcatgcc	ctatgtgtct	taaatggaca	1440
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cactcaccct	gacgaacctc	tctatagctt	ctgtataggc	ctaaccctta	ttcatatggc	1560
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tcgatacctc	agttttacgtg	ggccctgcc	ggaatcattc	tacaatttgg	gccgtggcct	1680
tcatcagttg	gggctgattc	atcttgcaat	ccactattat	cagaaggccc	tggagctccc	1740
tccacttggtg	gtagagggtg	tagaacttga	ccagttagac	ttacgaagag	atattgccta	1800
caacttgctc	ctcatctatc	agagcagtg	gaataccgga	atggctcaaa	cgcttttgta	1860
tacctattgt	tctatataaa	gcaccgcaac	tgagaacaga	gcaatggcag	ctgctgtgtg	1920
aggaccagt	tcttctgtct	cagggtctat	tatttgtaac	tccaaaatag	aatgacaat	1980
ttcagaatta	cctaacaaac	agtgtattta	tttttaatat	gtgataatga	tcttgtggta	2040
tatatgcaaa	attattccta	caaaaatttg	tatatgtgtc	tgatcatttc	ctttcacatt	2100
ctatagtga	ttgttcccaa	tgttgaaatg	gacgtgtaag	cctttgagct	agcttggagt	2160
cgaatacact	atttttcact	cacaccattt	attcatcttt	gtattttaata	cctatagctc	2220
tgtcaatata	acatgaggca	gtttttcaaa	tacgtataaa	cagagggttg	ttattattaa	2280
aggaaagaca	aagtgggact	ctttatgatg	tcatgacca	tgataactaa	gcacctaaga	2340
aaattattta	aactagttat	cgtggtaggc	agaaagacaa	ataatttagt	tttttacttt	2400
tcaccagcat	gtatcttagc	tacctaaact	gaaacatggg	aggctgggct	taattcaaaa	2460
tatattgctc	caaggcaaat	aaaaaaatgc	tttatctaaa	agtcgacg	gccg	2514

<210> 4316

<211> 1551

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (3)...(1305)

<223> similar to gi498727 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 4316
gtggaagggc cttcatacat gcttcccatc ttcaggaaca tcagagaatt catactgggg 60
agaaaccatt caaatgtgat acatgtggta agaaacttccg tcgtagatca gcacttaata 120
atcattgcat ggtccacaca ggagagaaac catacaaatg tgaggactgt ggtaagtgtt 180
tcacttgtag ctcaaaccctt cgtatccatc aaaggggtcca cacaggagag aaaccttaca 240
agtgtgaaga atgtggtaag tgctttattc agccttcaca atttcaggcc catcggagaa 300
tccacactgg agagaaacca tacgtatgta aagtgtgtgg taagggtttc atttacagtt 360
caagttttca ggcccatcag ggagtccaca ctggagagaa gccatacaaa tgcaatgagt 420
gtgggaagag cttcagaatg aaaattcatt atcaagtgc tctggtagtc cacacagggg 480
aaaaacccta taaatgtgaa gtatgtggta aagccttccg tcagagttca tatcttaaaa 540
tccatctgaa agcacatagt gtacagaaac cttttaagtg tgaggagtgt gggcagggct 600
tcaatcagag ctccagactt cagattcacc agctgatcca taccggtgag aaaccataca 660
aatgtgaaga gtgcggaaag ggatttagtc gtaaagcaga tcttaaaatt cattgtagga 720
tccacacagg ggagaaacca tataattgtg aggagtgtgg gaaggctctc agtcaggcct 780
cgcattcttct aaccatcag agagttcaca gtggggaaaa accatttaaa tgtgaagagt 840
gtgggaagag cttcagtcgg agtgcacacc ttcaagccca tcaaaaagtc cacactggag 900
aaaagccata caaatgtggg gagtgtggaa agggcttcaa gtggagcttg aaccttgaca 960
tgcattcagag ggtgcacaca ggagaaaaac cctatacatg tggggagtgt gggaagcact 1020
tcagtcaggc ctcaagtctc caacttcatt agagtgtcca cacaggagag aaaccataca 1080
aatgtgatgt atgtggtaaa gtcttcagtc ggtcttcaca attacagtat cataggcgag 1140
ttcacactgg ggaaaaacct taaaaatgtg agatatgtgg taagagggttc agctggcgat 1200
caaatcttgt aagtcattcac aaaattcatg ctgctgggtac attttatgaa aatgatgaga 1260
atagtaagaa catcagagag ttgtcagagg gaggaagttc tacaagggtga ttaaaaaaaaa 1320
aaaaaccaa cctcttgtcc accctgaagg cttgaaatta aatttcatag gggggaaaaaa 1380
ttttttttat cacccttttt gaattttatt gattggaaac gctccacatt tccccctaaa 1440
cttttttttg tttttaattt ttggtttgga aacaaaatct ccttttggtg cccatgctgg 1500
aggcaggggg gctattttaag ttcactgaaa cctccatttc ccgggttaag a 1551

```

```

<210> 4317
<211> 494
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (137)...(400)
<223> similar to gi4103857 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4317
cgaacccgga agtgagatgc aaggcggcga ttttcccttc tgtcagatct tgatgaacaa 60
agcagtcata attcatctct agaaagattt atatcctggc atttgaaatg ctttttattt 120
agaatagtag taaaaaatgg aaaaagaaaa aggaaatgat gatggaatac cagaccaaga 180
gaattccttg gatttttctg aacactttta ccaacttgaa ttgttggaac cacatggaca 240
ccttattcct actggtactc aaagtctttg ggtaggcaat tctgatgaag atgaggagca 300
agatgacaaa aatgaagagt ggtatcgatt gcaagaaaaa aaaatggaaa aagacccaag 360
cagattgctt ctttgggctg ctgaaaaaaa tcgggtaaaa aaaaaatta cagagggaag 420

```

tgtgacagta ggaaaagcac tgggttcaag ccaaaaagacc tgcctttact gttatggcca 480
tcatacctat ctct 494

<210> 4318
<211> 1877
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1877)...(630)
<223> similar to gil83002 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4318
aaggggttggc ggggggttggg ggtgggggtgg cgttattggt ttctggttta tattgttcca 60
caaggatcac acaaacctaga tcttttgcat gcacagttca caataggggtt ccactcctg 120
tgagaatcta atgtcactgc tgatctgaca ggaggtggag ctgaggctgt aatgctcact 180
tacctgctgc tcacctcctg ctgtgtggcc gggttcctaa gaggccacag atcagagcta 240
gtctatggcc tgaggggttg gaagccctgc tctaggtaac ataatccctt tatgagaaat 300
tagacagatg acattgagat gcaagggaaa gcatctcctg atgaaacct cccaatatca 360
cgcataaatg aaggcagtga tacaatgtcc cttatacaat ttataatctc tttaaaggaag 420
caataaacat ttaaactatt ggactactgg gatgtacatt ttaccagata ccagcatcat 480
aatcttataa ctctatatga aagtttgaaa aaataattat aaagtttatt taaatgttga 540
ttgtcccaag gtctacagtt tcttttctgt tgtgtcatca gtgacaaaga gtaaaaaaag 600
gaaactccca tatttagcac tttagagtaa aacacatgga tcatcgttat taacagtcct 660
ctgggcgtgc tggagctcac tgagaaggct tctattttga gcttggaatg ttgtgctgag 720
ctgtgcagcc tgttcctgca tctgttggtc ctgcattttc tgttgctctg ccagccaatt 780
ttgtttggct atctccattt gtctcacttg ttctctgatg agtctctccc tctcctgcat 840
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tgctttcact tgtgcctctt tcttcttttt ttccgtctct gtgagagcct ggtcagtctg 960
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gaagagatta tggcctcctg gcttagaata aattccctgc ttcactgctt cttctagagg 1140
acaaaaata tccttaagta aagccgagca ataatccgag gatgcttcca ggttccggtt 1200
acaaatgtca ttctgttttg catctagtag agtctccaat tctttctgga aactttggtc 1260
tacatccttg aaagagtttt tcatgaagac ttcaatggcc tccctctcac tggtcctgtg 1320
caggtccagc agctcctgga gggtttccat gggcagctgc actttctggc ccatttgctg 1380
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gactgcattc tctatgcaag gcagatcccc actgctgatg gcattgacat aggtcagcac 1500
caggttcttt agacgagatc cattgacct gatgccacct ggaagagtct tggtcataga 1560
atggctaaag atgtaggaac agaattctgt cacttggtgc acaaattcag gctctagctc 1620
atcatcaggc agtgtttcaa gttgggcaag ctttttttgg tgagcaggta agtcaaagat 1680
aaagcatttc ttttttggaa agaacttctg tatacacaga cggggcaaat tgaaattttg 1740
aactctttga tcaactacct gctttggcct taggggaattc tccaggtatt catctggtgt 1800
gacaagttgc ccactatatt ccaggcctaa gcagaaatct ctcagagtc acactaagtc 1860
tggaagaag ctgcag 1877

<210> 4319
 <211> 4157
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(3465)
 <223> similar to gi5689521 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4319

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caggcggggtc	gcggggcgcc	catggcgagg	tgcggccggg	ggggcgccgc	cggcgggggcc	120
ctgcccacct	ccccggggccc	ggccctcggc	gccaagggcg	ccctgaaagc	cggagtgggg	180
gaaggcggtg	gcgggggagg	tcgcctcggc	cacgggcggg	cgcgctatga	cagcggcggg	240
gtttccaacg	gagactgcag	cctcggcgtg	tccggggacg	aagcccgggc	tagccctacc	300
aggggacccc	gcggcggttg	gctcgccccg	acccccagcg	cggtcgtctg	taccctcccc	360
cgggagagca	agccggggcgg	cctgccccgc	cggagcagca	tcatcaagga	tggtaaaaa	420
cagaagaggg	aacggaaaaa	gacagtctca	ttcagcagca	tgccaacaga	gaagaagatc	480
agcagtgcaa	gtgattgtat	taattcaatg	gttgagggtt	cagaactcaa	aaagggttcgc	540
tccaactcta	gaatttatca	taggtacttt	ttactggatg	ctgacatgca	gagcctaagg	600
tgggagccat	ctaagaagga	ttctgagaaa	gccaagattg	acattaaatc	catcaaggaa	660
gtgagaacag	gaaaaaacac	agacatatcc	cgcagcaatg	gcattttctga	ccagatatct	720
gaagattgtg	cgttttcctg	catatatgga	gagaattatg	agtcactgga	tttggttgcc	780
aactccgcag	atgttgcaaa	catctgggtt	acaggactgc	ggtacctaata	ttcttatgga	840
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caatgtatca	gaaacctcaa	tcctgggtta	aaaacgagca	aaattgagct	taagttcaaa	1020
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aataaagaat	tccttgatac	caaggacctt	atgatgtttc	ttgaggcaga	acagggtgtg	1200
gcacatataa	atgaggaaat	aagccttgaa	attattcaca	aatatgaacc	atccaaagag	1260
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cattacttta	taaactcatc	tcataatata	tacttaatag	aggatcagtt	ccgaggtccc	1440
tccgacatca	caggatatat	tcgagctcct	aaaatgggtt	gccggaggtg	tgaattagat	1500
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cctcttatct	tgtgtttaga	aaacctactgt	tccattaaac	aacagaaggt	aatggttcag	1680
cacatgaaga	aacttttagg	agacaagctc	tatacaacat	cacccaatgt	tgaggaatct	1740
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tcaaatgtct	ctggggtaga	aggagatggt	actgacgaag	atgaaggagc	agaaatgtct	1860
cagaggatgg	gaaaagagaa	catggagcaa	cccaataatg	tgccgtgtgaa	gcgatttcag	1920
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cagggtgtcgt	ttcaggttca	gaagtactgg	gaagtctgtt	cctttaatga	agtgccttgcc	2040
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caacttcttc	acattaaaaat	catcagtggg	cagaactttc	ccaagcccaa	aggatcaggt	2400

09453725.042100


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gccaaagggtg atgtggtaga tccttatgtc tatgttgaaa tccatggaat ccctgctgat 2460
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agctttgaat ttcaaatcaa cctgcctgaa ctggccatgg tgcgctttgt agtgctggat 2580
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ttgaaatatg ctaagaatga gacattggag aacctgaaac aaatccattt tgctgctgtt 3360
tcatgtggac tgaataaacc aggcaccgaa aatgctgatg tccagaagcc acgccggagc 3420
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acaattttctt aagatggaaa tggattggat tgtcaaatta ttatttattg gagaaaaaaa 3840
cctgatctac acattttttac ttatatgggg ttgccagagt ctctgggttc tagatgattt 3900
tgggtggcatg cttgctgagc cataattact aaagagaatg taagtggacg ggttccctga 3960
atccccgggg tccttgagga gccatcgagg agaatgtgca attggactga agctccctgg 4020
ctgaagatac atgccgagtc agcacatggg tagagatgat gtaaaagcag ccaatctgga 4080
aacaatacat tgtaaatagt ttttcattgt atgaagtagt gttcacatta aaaagatggt 4140
ttatgataaa aaaaaaa 4157

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<210> 4320
 <211> 5185
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (3)...(2560)
 <223> similar to gi3327110 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 4320
gcttatatta cttatatgct agtttggatc caaatgctgt aaaagctctc aacgaaatgt 60
ggaagtgtca gaacatgctt cggagccatg tacgcgaact attggatttg cacaagcagc 120
ctacatcaga ggctaactgt tctgccatgt ttggaaaact gatgaccata gcaaagaatt 180
tgcctgaccc cgggaaagca caagattttg tgaagaaatt taaccagggt ctcggcgatg 240
atgagaaact tcggtctcag ttggagttat taattagccc aacctgttct tgcaaacaag 300
cagatatttg tgtgagagaa atagcccgga aacttgcaaa tctaagcaa ccaacaaatc 360
cttttctaga gatggtcaaa tttctgttgg aaagaatcgc acctgtgcac attgattcag 420

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aagccataag	tgcactagtg	aaattgatga	ataagtcaat	agaggggaca	gcagatgatg	480
aagaggagg	tgtaagtcca	gatacagcta	tccgttcagg	acttgaactt	cttaaggttc	540
tgtcttttac	acatcctacc	tcgttccact	ctgcagagac	atatgagtcc	ttgttacagt	600
gcctaagaat	ggaggatgac	aaggtagcag	aagctgctat	tcaaattttt	agaaatacag	660
gtcacaaaat	agaaacagac	cttccccaga	tacgatcgac	cttaattccc	attttacatc	720
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atgctgatgt	gccagaacaa	cttataactc	cattagtttc	attgggccac	atttctatgt	900
tagcaccaga	tcagtttgct	tccccaatga	aatctgtagt	agcaaatttt	attgtgaaag	960
atctgctaata	gaatgacagg	tcaacagggt	aaaagaatgg	aaaactgtgg	tctccagatg	1020
aagaggtttc	ccctgaagta	ctagcaaagg	tacaggcaat	taaacttctg	gtaagggtggc	1080
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ggtattcaca	tctcagagaa	ctacaacaca	aaagtgcaga	cttatatttg	agaattaatg	4920
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gcacatgggc	tgaattttta	aatttttttt	taaaaacttg	aagcagaacc	ttgtaatttg	5100
tgtaaatgac	aagtgtaaaa	ctcctaccat	aaaatgctaa	aaatatgcac	tgtttccaat	5160
aaaaccaaga	aatgcagcat	tataa				5185

<210> 4321

<211> 633

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(389)

<223> similar to gi5824882 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4321

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gaatggaagc	tcagaaggga	gaatcacaca	tggcttccaa	cttaagagcg	cctatgaaaa	180
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ctattccaag	actcatatga	acgtgcttgg	tgtcctgggg	cctttagatc	ctcaatggct	300
ggttgagaac	aacatcactg	ggtgtccaca	ccctcacatc	ccttcagacc	acttctcact	360
gttaacacaa	cttgaactcc	accctccact	cctgcctctt	gtcaatgggtg	ttcacttgcc	420
taatcggagg	tagtggagta	ctgccccgcc	aagacgggga	tctgttgcta	tggacctgta	480
cagttgtaaa	tcaaagtatg	taggagtgaa	gtatggccat	ccttaagctg	cttcttcagg	540
tttctttcat	tatgtggttg	ctgtaagact	ttgtacattt	ttgtgcata	tggatcatt	600
tggcagtagg	gctggaacca	aagtattact	ctt			633

<210> 4322
 <211> 1799
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1800)...(1060)
 <223> similar to gil572819 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4322

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agagtttata	ttcattagat	ttat tttatc	atttaaaaaa	ttactgcctc	taggttatcc	180
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agccattata	gaatgattta	cacttgggat	gaaattcaac	agtagtaagg	gtgactcttt	300
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aaaattcaac	atactgacaa	ggaagcaaca	taatcacata	gataacgcct	ctgctaattg	420
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agctgacact	gacttgtatg	tttttaaaaa	tggagagaca	atggcaaatt	gtaccttatg	600
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gtaaatacaa	tctctgggct	aacttaaaac	tagaagagtg	agccaagtga	gcactaacaa	720
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<210> 4323
 <211> 3141
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (584)...(1064)
 <223> similar to gi599776 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4323

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ctatagttta	cataccatca	aaatcaccc	tttgatgtat	acaactcagg	ggtgattagt	180
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caccatgaag	accatgtcca	ctggcagcca	ttcccatgac	ctttccttgt	gagatctcca	300
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<210> 4324

<211> 2394

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1219)

<223> similar to gi2506078 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4324

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tggtactttg	ctgttatctc	tgtttctggg	gtttttgcag	tgactttttc	tgtggtattt	180
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tataaccacta	ttctttttaat	gtttgcataa	tcataagcac	ctcaacactt	gaatacataa	1980
tctaaaaaatt	atatagttaa	gctggtagcc	ttgaaaatgt	cagtgtgata	tctattatgt	2040
agataaaatat	atatagtggc	ctttcaggac	tgtcacagta	acactttatt	tacagagcta	2100
atgtttgtcc	taaaattttca	ggaccctaga	ggagagcttt	atacaattac	cgatgtgaat	2160
ttctctaaaag	tgtatatattt	tgtgtccagt	tatattattt	aaaaaagtgt	tactttgtaa	2220
aaattgtata	taaagaactg	tatagtttac	actgttttca	tcttgtgtgt	ggttattgct	2280
taatgctttt	taaacttgga	acactcacta	tggttaaata	aaggaattaa	aagaaatgaa	2340
aatattaagt	taataaagtt	aaatatattt	atgatttttt	ttttaaaaaa	aaaa	2394

<210> 4325
 <211> 1391
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1146)...(802)
 <223> similar to gi5824412 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4325						
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ttcacagaag	catcgaaagc	aagcaatata	tgtaaaaaat	ttttttttac	taaatcagca	120
taacagacta	aagctgcagc	atctgctttc	atgttacatt	tggcaaaaac	aaaacaaaaa	180
gcacccccaa	acccccaaaa	taacaaaaat	ctcaagcaag	tagagacgat	aaacttcata	240
acacaaaaga	aagattcaaa	acctgttccc	tcagtgattg	gctgttgtca	gtttgggcat	300
gcaggcaaat	ttgttataac	catgatggga	aatgaaaata	ttttaaggaa	tccaggacag	360
tattttctatt	taaccactaa	ttcaaaaacc	aagaagggaag	aaaaaataac	acaaggggac	420
accatacata	cataaacatg	aaaagctagc	ttacataatt	acataattag	aaaagttaaa	480
taatttagta	aaaataaatt	cccagtataa	acccaaaaaa	gcatagctat	aatgcaatc	540
caaaacaacc	aattagtaag	ctgggtcatgt	ttttactgga	aaacaacctt	tctcattttt	600
gttcttacac	aagcaagtaa	ctggagaagc	aggccagagt	gcatacgagg	atttaaacad	660
ggttgtatct	gtggtacttt	agatgcaact	ttaccctgtt	catttgaaag	tttaaataga	720
cctgtctgct	acacagactc	ggatgggcca	aataagtcac	ctgatatgct	gctgaatggc	780
tgagagtcta	ttagttggct	tatttcatta	tcaagggtct	cttctgtatc	atctgtgtac	840
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atgcctgctc	tgtagtgaat	cataagaagt	gttagagctt	gtagcctttc	acctgattta	960
gctaaggcag	cagaaagaag	tgattttttc	cttgatcag	ttgtctcttt	ttcttctcta	1020
acaagggaat	tattgtgttc	caactcctga	tcaatttcat	tctgtagctt	atccaacatg	1080
aactctagtt	tctggatcct	ttcctctgta	ggcaagcccc	tgtacagatc	acgaccaatt	1140
tctttaactg	caatgaaaac	actgtcatcc	agaccacct	cttttctcac	taactttatt	1200
cctgtgctgt	ttccccgttt	agaaggactg	tttggaaccac	agacctccgt	gtcactgcct	1260
tcgttgtctg	acgtgttggg	tgtgtgtttt	ggtgaagggt	ctacgagatc	ggttcctggg	1320
tcagaaaggc	gagttttaga	gacttgacgc	aaatttaata	aacgagaact	agtattgatc	1380
ccacgcgtcc	g					1391

<210> 4326
 <211> 1025
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (71)...(379)
 <223> similar to gi3355709 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4326
 tggtcggcac cgctccgttt tgccgggtcg acccacgcgt ccgcccacgc gtccgcccac 60
 gcgtccgaca caacttttgg aggaagatgg ggaatcttac tgggtgccgtg cactattcca 120
 attaggcgag agtgaagaac acattgagct tgtggtgctg agctatttgg tgccctcaa 180
 accatttctt gtaatagtgg ctgaggtgat tcttttagtg gccaccattc tgctttgtga 240
 aaagtacaca caaaagaaaa agaagcactc agatgagggg aaagaatttg agcagattga 300
 acagctgaaa tcagatgata gcaatggtat agaaaataat gtcccagggc atagaaaaaa 360
 tgagtctctg ggccagtgaa taaaaaacat catgtcgaga atcattggaa gatatacaga 420
 gttcgtatatt cagctttgtt tatccttcct gttaagagcc tctgagtttt tagttttaaa 480
 aggatgaaaa gcttatgcaa catgctcagc aggagcttca tcaacgatat atgtcagatc 540
 taaagggtata ttttcattct gtaattatgt tacataaaag caatgtaaat cagaataaat 600
 atgttagacc agaataaaat taattatatt ctggtcttca aaggacacac agaacagata 660
 tcagcagaat cacttaatac ttcatagaac aaaaatcact caaaacctgt ttataaccaa 720
 agaattcatg aaaaagaaaag cctttgccat ttgtcttaga aagttatttt ttaaaaaaaa 780
 atcatactta ctattagtat ctatggaagt atatgtaaca atttttatgt aaaggtcatc 840
 tttctgtgat agtgaaaaaa tatgtcttta ctaagttgaa atgaatactt tctgcctttg 900
 ctcatgatag ttattctaca atctccacaa gaaaaatata ccttttatcc ggaaatattg 960
 gtttaaggca aataaataaa actgtgcttg ctctaaagct ctgcactaca aaagcaaatt 1020
 ttcca 1025

<210> 4327
 <211> 945
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (947)...(650)
 <223> similar to gil881289 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4327
 tttttttttt ttcactagcc acaaacattt attgttgggg tcaatacgta tctccttttg 60
 agaagtgttt cgagccattc atttgataac tacaacacg tcagaatctg ttttactggg 120
 atatttttgg cttgcatgac aagggaagag agattattgc aaaattatga atgaagtcca 180

<210> 4329
 <211> 940
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (941)...(298)
 <223> similar to gil90936 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4329
 tttttttttt ttgacgttgg cagtgcacatt tatTTTTtctg ggggagggga gttatatata 60
 gcagtgaccc ggagcccctc acccccacca ggcttaggtg gggacaggag gcgttggcag 120
 aaggcacaca gtggcagtag ccagaaagag gccaggaagt aaggggtgggt atgtgatgtg 180
 tcctgggaga ccagatgag gaaattgagg ctgagtgagg gcctcaggtc acacagcaag 240
 gtgcgaaggc agctagtccc gagagcttgt ggtggttgct tctctcttgc ctgggctaca 300
 ggaggacgca ggggcagccc ccgcccttct tcctgggggc actgggaggg ctcggtggga 360
 gctcttggtc ctggtatttc cggacagccc gcaccagctg ctcaaaagcc tcgtccacgt 420
 tgagacgcag tttggccgag gcctcaaagt aggccacgtg gtgggaggcg ccgaaggcag 480
 aggcttctga tcgggggacc tggcgctgtg actccagatc tgccttggtc ccgaccaaca 540
 caacggggaa gtcgtcgcgg tccttgaccc gcagaatctg cgtgaagagc ttgccacact 600
 cggtgaaact ctgccgggtca ttaatggcga acaccagcag gaagccgtgg ccagcacgca 660
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 agtcagacac gaagtaggac tggatgaact ggatggtcag cgcgctcttg ccacgccgc 840
 cgccgcccac gaccaccagc ttgtgtgtct cgctgggcgg ggggtccccg ggcccaggtc 900
 ccccgccccg gggcgcgccc cgccctgtcc cggacgccgc 940

<210> 4330
 <211> 3821
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (6)...(2828)
 <223> similar to gi577295 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4330
 tttcgtcggc agtggcggcg cgtaggaggc ggtcttgggc gtctttggta ctggcttttt 60
 taggggtctg cctggggatt acccttgctg tggatagaag caactttaag acctgtgaag 120
 agagttcttt ctgcaagcga cagagaagca tacggccagg cctctctcca taccgagcct 180

tgctggactc	tctacagctt	ggtcctgatt	ccctcacggt	ccatctgatc	catgagggtca	240
ccaaggtggt	gctgggtgcta	gagcttcagg	ggcttcaaaa	gaacatgact	cggttcagga	300
ttgatgagct	ggagcctcgg	cgaccccgat	accgtgtacc	agatgttttg	gtggctgatc	360
caccaatagc	ccggctttct	gtctctggtc	gtgatgagaa	cagtgtggag	ttaacatgg	420
ctgagggacc	ctacaagatc	atcttgacag	cacggccatt	ccgccttgac	ctactagagg	480
accgaagtct	tttgcttagt	gtcaatgccc	gaggactctt	ggagtttgag	catcagaggg	540
cccctaggg	ctcgcaagga	tcaaaagacc	cagctgaggg	cgatggggcc	cagcctgagg	600
aaacacccag	ggatggcgac	aagccagagg	agactcaggg	gaaggcagag	aaagatgagc	660
caggagcctg	ggaggagaca	ttcaaaactc	actctgacag	caagccgtat	ggccccatgt	720
ctgtgggttt	ggacttctct	ctgccaggca	tggagcatgt	ctatgggatc	cctgagcatg	780
cagacaacct	gaggctgaag	gtcactgagg	gtggggagcc	atatcgctc	tacaatttgg	840
atgtgttcca	gtatgagctg	tacaacccaa	tggccttgta	tgggtctgtg	cctgtgctcc	900
tggcacacaa	ccctcatcgc	gacttgggca	tcttctggct	caatgctgca	gagacctggg	960
ttgatatatc	ttccaacact	gccgggaaga	ccctgtttgg	gaagatgatg	gactacctgc	1020
agggtcttgg	ggagacccca	cagacagatg	ttcgctggat	gtcagagact	ggcatcattg	1080
acgtcttctt	gctgctgggg	ccctccatct	ctgatgtttt	ccggcaatat	gctagtctca	1140
caggaaacca	ggcgttgccc	ccactcttct	ccctcggtca	ccaccagagc	cgttggaact	1200
accgggacga	ggctgatgtg	ctggaagtgg	atcagggtct	tgatgatcac	aacctgccct	1260
gtgatgtcat	ctggctagac	attgaacatg	ctgatggcaa	gcggtatttc	acctgggacc	1320
ccagtcgctt	ccctcagccc	cgcaccatgc	ttgagcgctt	ggcttctaag	aggcggaagc	1380
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tgcggaacct	ggggctgtat	gttaaaaccc	gggatggctc	tgactatgag	ggctggtgct	1500
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ccttcttcgc	tggctcccag	cgctttggag	ccgtgtggac	aggggacaa	actgccaggt	1860
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tctgtggggc	ggatgtgggt	ggcttcttca	aaaacccaga	gccagagctg	cttgtgcgct	1980
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cctctgtggt	ggtcctgcgc	aagcctggca	tcaatgtggc	atctgatttg	agtattcacc	2820
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aacatcctgt	tgtcttaact	ggagcacatt	cacttacgaa	caccaggaaa	ccacagggcc	3120
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gtccctcggc	agaaagacgt	ttccacacct	cttaggggat	gcgcattaaa	cttcttttgc	3540
ccccttcttg	tcccctttga	ggggcactta	agatggagaa	atcagttgtg	gtttcagtga	3600

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gggaatattt	gtgggtattt	tttttacttc	ctcttggttc	ccagctgtga	cacgttttga	3780
tcaaaggaga	aacaataaag	ggataaacca	taaaaaaaaa	a		3821

<210> 4331
 <211> 474
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (192)...(450)
 <223> similar to gi3171912 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4331	
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gtagggggcag	tgatggaggg tggctcaggc caggggggtgg acctgctcat tgcaggtaga 120
ccctgagtga	gagtggggca ctcttctccc tgggtccacc ccctctctca ctcaagtcct 180
cttctgcccc	taggccttat agcaccctgc gagattgcct ggagcacttt gcagagttgt 240
ttgacctggg	cttccccaat cccttggcag agaggatcat ctttgagact caccagatcc 300
actttgccaa	ctgctccctg gggcagccca ctttctctga cccccagag gatgtactcc 360
tggccatgat	catagccccc atctgcctca tccccttcct catcactctt gtagtatgga 420
ggagtaaaga	cagtgaggcc caggcctaag gggccacgag cttctcacia ccat 474

<210> 4332
 <211> 1837
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (678)...(1627)
 <223> similar to gi5919217 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4332	
acaaggtggt	tggcaccac aaagaccatg aagtttcaac gcttgacaca gctataagtg 60
ctgtaaagg	tcaattagca gaatttctag aaaatttaca agaaaagtcc ttgaggattg 120
aagcctttgt	tagtgagata gaatcctttt ttaataccat tgaggaaaac ttagtagtaaa 180
atgagaaaag	gctagaagaa cagaatgagg aaatgatgaa gaaggtttta gcacagtatg 240
atgagaaaag	ccagagcttt gaggaagtga agaagaagaa gatggagttc ctgcatgagc 300

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agatggtcca ctttctgcag agcatggaca ctgccaaaga caccctggag accatcgtga 360
gagaagcaga ggagcttgat gaggccgtct tcctgacttc gtttgaggaa atcaatgaaa 420
ggttgctttc tgcaatggag agcactgctt ctttagagaa aatgcctgct gcgttttccc 480
ttttcgaaca ttatgatgac agctcggcaa gaagtgacca gatgttaaaa caagtggctg 540
ttccacagcc tcctagatta gaacctcagg aaccaaattc tgccaccagc acaacaattg 600
cagtttactg gagcatgaac aaggaagatg tcattgattc atttcagggtt tactgcatgg 660
aggagccaca agatgatcaa gaagtaaatt agttggtaga agaatacaga ctgacagtga 720
aagaaagcta ctgcattttt gaagatctgg aacctgaccg atgctatcaa gtgtgggtga 780
tggctgtgaa cttcactgga tgtagcctgc ccagtgaag ggccatcttt aggacagcac 840
cctccacccc tgtgatccgc gctgaggact gtactgtgtg ttggaacaca gccactatcc 900
gatggcggcc caccacccca gaggccacgg agacctacac tctggagtag tgcagacagc 960
actctcctga gggagagggc ctcatatctt tctctggaat caaaggactc cagctgaaag 1020
ttaacctcca acccaatgat aactactttt tctatgtgag ggccatcaat gcatttgga 1080
caagtgaaca gagtgaagct gctctcatct ccaccagagg aaccagattt ctctgttga 1140
gagaaacagc tcatcctgct ctacacattt cctcaagtgg gacagtgatc agctttggtg 1200
agaggagacg gctgacggaa atcccgtcag tgctgggtga ggagctgcct tcctgtggcc 1260
agcattactg ggaaaccaca gtcacagact gccagcata tcgactcggc atctgctcca 1320
gctcggctgt gcaggcaggt gccctaggac aaggggagac ctcatggtac atgcactgct 1380
ctgagccaca gagatacaca tttttctaca gtggtattgt gagtgatgtt catgtgactg 1440
agcgtccagc cagagtgggc atcctgctgg actacaacaa ccagagactt atcttcatca 1500
acgcagagag cgagcagttg ctcttcatca tcaggcacag gtttaatgag ggtgtccacc 1560
ctgcctttgc cctggagaaa cctggaaaat gtactttgca cctggggata gagcccccg 1620
attctgtaag gcacaagtga tccttggtt tcagaatttg caagaacagc gatttgaatt 1680
ttgggggggt ctgctgttca ttcctttagg tgctatacat tattcaaaaa gtctcccgcg 1740
catttgact aatgatggct gcatgcatag caatcagcat gtgagcaaaa tcgacaagaa 1800
aaccttgact ttacagagca gtgtgtgagt aaacaga 1837

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<210> 4333

<211> 780

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (3)...(603)

<223> similar to gi4768277 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4333

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cccagagact gtcggaacgg aagctggtgc gcaacgtgcg gcaatcgggc gacgtttact 120
acaacaccgg ggacgtactg gccatggacc gcgaaggctt cctctacttc cgcgaccgcc 180
tcggggacac cttccgatgg aagggcgaga acgtgtccac gcacgaggtg gagggcgtgt 240
tgtcgcaggt ggacttcttg caacaggtta acgtgtatgg cgtgtgcgtg ccaggttgtg 300
agggtaaggt gggcatggct gctgtgcagc tagcccccg ccagactttc gacggggaga 360
agttgtacca gcacgttcgc gcttggtccc ctgcctacgc tccccccat ttcattccga 420
tccaggacgc catggaggtc accagcacgt tcaaactgat gaagaccggg ttggtgcgtg 480
agggcttcaa tgtggggatc gtggttgacc ctctgtttgt actggacaac cggggccagt 540
ccttccggcc cctgacggca gaaatgtacc aggtgtgtg tgagggaacc tggaggctct 600
gatcacctgg ccaaccact ggggtagga tcaaagccag ccacccccac cccaacacac 660

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tcgggtgtccc	tttcatcctg	ggcctgtgtg	aatcccagcc	tggccatacc	ctcaacctca	720
gtgggctgga	aatgacagtg	ggccctgtag	cagtggcaga	ataaactcag	atgtgttcaa	780

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<210> 4334
<211> 1009
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1012)...(507)
<223> similar to gi5788108 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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007710 "E220450

<400> 4334						
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aaaaaaaaag	gatataaata	agctctatgg	aaaagcttta	aattgttgca	aaaagaattc	180
tggctcatat	tacaaaatat	atatatatat	ttatatatat	atatatatgt	taatgtcagc	240
tctattctaa	aacctaaaat	tccaacgtaa	atgatttttt	tttaaagact	cctttatggt	300
taaacctgca	atgtttacag	tgcactctggc	cctaagtgtc	taatacttca	cagttatgga	360
caggcactga	ggaatgttac	aaagctacat	aaactatggt	ttgtaacaga	cataggagca	420
agtccttggc	ttgctttcag	aattcatgaa	tctttattac	attaaatttt	tttaaaaaag	480
gatttttagat	ggtatatgca	aatttagcac	aaaatgtcat	cgtctttttt	atcttgattt	540
gaatgtgctg	aactgtgttg	ccttgatatca	actagactta	gatttccagg	gcacaattct	600
tcctttaaat	ccttggttgct	attttcaaata	ttagaatcca	tgtcaatctt	aaattctgca	660
aattgaacat	gatccaattt	tgttttaaca	ttcttgccat	ccatattatt	cagtgtctgta	720
gtcttttcag	gaatattaac	attcacagggt	tcttccttga	ttcttacaga	tgcaataggt	780
tcatgtttta	tctgctgtaa	ttcatattta	gaatgaagtt	tatctgaaaa	aacagaatcc	840
aaggaggctt	tgcttacagc	acaaatcatg	ttgtcagtg	gaggtccaag	aacagatgat	900
gtggaatctg	atgatgtgcc	tgtttcatga	gtagctgtat	tctgagaagt	gtcctcctct	960
gagtgatata	atttgagccg	aatatgccat	gctaaactgc	atacagctg		1009

```

<210> 4335
<211> 1536
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1185)...(564)
<223> similar to gi3874171 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4335
cagggttatga tttttaaaacc aaacccccga tccaaaggta gaaattgggtg gccccctttg 60
agatcggggg taaaagtgtg cttaaacttt ttttaaatat tccaaccagg ttaaaccggtt 120
ttggaaatat aaaaaagggg tcccttttgg atatagataa aaatatTTaa aggttttaat 180
tcatttgggtc atgtagggtt ttcaaaaattc catgtatatatt ccaatgtgga tgggtactgaa 240
ttttgatcat accagttttcc ctcaggattt atcagatttt aaacatcctg cagataagct 300
ggttgacaat tccccagcag ttcttttttt ttttttcctt tttcttttta gattttttta 360
aacagagaac aaagggattc actcagagat cagaatacga agcttcctct cagcatcatg 420
ggaggagata aaataattca ttctatgggtc tttgttccat taagacttgg tgctttcttc 480
agtaacagta tgtgaaatgt ggctgacttt gagtccccca ctgtgtaagt ggaattatTT 540
ttcactgcag catttctgag tctttttcct gttccttact ctgaactgta aaattaagtt 600
cataaaaggca tttggcaagg gtggaggaag cttccatggt actaatggct agcactgata 660
agttatTTtc atgtctcttt aacaatctgc gaccacattc tgaatatTTa ccaatatTTt 720
ttaatatTTa ggcagctggt agtcggatgt gtttagttat tggtcctct ttttcatctg 780
taaaatctcg aaagacaagg tttcttgatc ctctcctcag agccataagt gcagcactgg 840
gatgattcac aatggccttt tgtgctctag gagttgagct tgtgccccct acagttggct 900
gcttggtaga agacttctga ctctctgctt gtcctgggtc atcttgTTTT aatcctgcaa 960
gtagggcatc ctttgaacag tgcttatcct gcaagtgggt aataaaaagaa aaccgctgtc 1020
gctgaaaagg ctcacaacct tcccaaagac actggcctgg atatacatct tttcctccat 1080
gttcagttgc tgcattgtag aaaacctgtg aggggtgtctg aaaccacttt ttacaagact 1140
gccacagaca catgaagttc tgtccagggt ttctcattgg atctccaggc tgactggatc 1200
cactgaatgg agaaggctga gaactgttag gctggccctg cacttgtaga gctgggtgaag 1260
gtggcatagg agtggtctgc gggaccacat tctgtacata tggtgggtgga tgctgttgct 1320
tttgctgaac agcactttct attgctactt tagctacagt gcttggtatct gctcctgctg 1380
gcacagcaac cattgttgcg ctgcagccag cattgttggg gtcactgatt gtaacaattc 1440
taactcctac tttatttTga attcctgcga ctgtttccct atcagtatcc tctgctggcc 1500
tctttacagt tttgcattct gctgtgccat ttgtag 1536

```

```

<210> 4336
<211> 3105
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(1501)
<223> similar to gil055162 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4336
ctgaatgtca ataggttgct gcatatcggt ggatatgggtg atttccagat gaaacagata 60
gatgcccccg gagacccttt ccttttaaat cctagaggaa ttaaacccca aaaggaccca 120
gacatggcaa tggagatttg tgctacggat gctgtagatg atatggaaga aggtcttaaa 180
gtcctaataa aggcagaccc tggtagacag gaatccttgc aagcagagggt tatcccagat 240
ccaatggagg gagagcaaac ctggcccact gaggaggagc tgagcagggc aaaggatttc 300
ttgaaggaaa gttctaaggt ggtaaagaag gtcccaaaag gaacatccag ttaccaagct 360
gaatggattt tggatgggtg cagccaaagt ggtggggaag gagatgaata tgaatatgat 420
gatatggaac atgaggattt tatggaggag gaatctcagg atgagagtag tgaagaagag 480
gaagaatatg aaactatgac tattggggag tctgtgcatg atgatctgta tgataagaaa 540

```

gtagatgaag	aagctgaggc	aaaaatgttg	gagaaatata	aacaagaaaag	actggaagag	600
atgtttccag	atgaagtgga	cacgccccgt	gatgtggctg	ctcgaattcg	atctcagaaa	660
tacagaggcc	ttaagagctt	ccggacatct	ccatgggatc	ctaaggaaaa	ccttcctcaa	720
gattatgctc	gaatatttca	gtttcagaac	tttactaaca	ctaggaaaag	catctttaa	780
gaggttgaag	aaaaagaggt	tgaaggagct	gaggttggct	ggtatgtcac	acttcatgtc	840
tctgaagtc	ccgtctcagt	ggtcgagtg	ttcaggcaag	gaacaccctt	gattgcattt	900
tctttactac	ctcatgaaca	gaagatgtca	gtattgaata	tgggtggtgag	gcgtgaccct	960
ggcaacactg	aacctgtgaa	agccaaggaa	gagctcatat	ttcactgtgg	attcaggcgc	1020
ttccgagcct	cacctttatt	ctctcagcac	actgcagcgg	acaaacataa	attgcagaga	1080
ttcctgactg	ctgacatggc	cctggtggcg	acagtctatg	cgccaatcac	ttttcctcct	1140
gcatctgtgc	tgcttttcaa	gcaaaaaagc	aatggaatgc	acagcctcat	tgctacaggc	1200
catcttatgt	cagtagatcc	agacagaatg	gtcatcaaga	gagttgttct	gagtggtcat	1260
cctttcaaaa	tttttactaa	gatggcagta	gtacgttaca	tggttcttcaa	cagagaggat	1320
gtgctgtggt	ttaaaccagt	ggaactgaga	acgaagtggg	gccggagagg	acatatcaag	1380
gaacctttag	gtacccatgg	ccacatgaaa	tgcagctttg	atgggaagct	aaaatctcaa	1440
gacacagtac	tgatgaacct	gtataaacga	gtcttcccca	aatggactta	tgatccatat	1500
gtaccagaac	cagtaccctg	gctgaaaagt	gagatttctt	caacagtgcc	tcaagggggc	1560
atggagtaat	ggattcaaag	agattctgtc	ttaccgggtg	cagtcagtac	tccagggatg	1620
ggaggcaca	gttgtgattg	ggcaaagttt	atcttctatg	tcagcctgtc	agtccactgc	1680
cccattttgc	aagacttttt	tttagccttg	acaaaatgtc	tcagttaagt	ataaaagt	1740
ttccactact	tagtccaaaa	aaaactatta	aatcttaatg	aaatagccac	tctccattaa	1800
gaatctgata	actaagagtt	gacaatacta	ggaaacaaaa	tgtcttcagt	atctaaagac	1860
actgaattcc	caccattttcc	ttttctgtaa	attaaacaga	aacagactga	taagaagctg	1920
gcctttcagc	ctgcttcacc	caagttatgg	aggagggttaa	gtctacattt	ccaccactga	1980
gcacaataca	aatgttcttt	acttctgggg	aaacagtttg	aaaatgttga	gacagcacag	2040
cagccactcc	aacaccagct	gtaggttcaa	tgagtagttt	catcctctcc	cacaccagct	2100
gggttgacac	ctggtgatat	ggaagggagt	aggaattagt	gaaaggggag	tctagttggt	2160
ttacctataa	agttcagatg	agaatacgtg	tccagtttga	atcttcttat	cactgtgtac	2220
acacgcttcc	caaagctttt	ctttaattct	gactctgctt	ctgtcaagag	ggttgtcatt	2280
aatacatcta	gggtaccctc	ccatgtcatg	aagttaccta	gtcagggttc	cgtgggtcac	2340
ttgctactcc	taaggggaagt	ttcttctgcc	taagaagtta	caccatgctt	tgctatttct	2400
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ggtccctgat	aataggccag	gtgttcaagc	caatgctgga	tttgacacca	tctgctatgg	2520
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ctgcatttga	gggttcagca	gcatatacct	tcacactagg	tttcagagcc	ttaactgtaa	2640
ttgctattcc	agcaagcatt	cctcctccac	ctacaggtac	caccagtgc	tccaccaaag	2700
gaacctgggt	cagcacttcc	agggcaattg	tcccttgtcc	agctatcact	gcaggctcct	2760
ggttgggatg	taccatgatg	ccttctgttt	cttctgtaac	tctttttgca	acattttctc	2820
tggactcatc	actaggttca	cagtatacaa	ttgacgctcc	gtaggcttgt	attgcaagtt	2880
ttttacagtc	tggagctgtc	tggggcacca	caatataagc	aggaattcct	tccaatttgg	2940
cagcataggt	gagagcctgg	ccatggtttc	cactgctgtg	agtaacaaca	gctttcggct	3000
tcctttctaa	agcatcagga	accaagcttc	tgacggcatt	gagagcacca	cgaatcttaa	3060
aagatcctgt	tttctggaag	agttcacatt	tgaagaaact	cgtgc		3105

<210> 4337
 <211> 1860
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1861)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (7)...(892)
 <223> similar to gi3925211 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4337

tttcgtggca	acaagctggt	cttctcctcc	taccccgcca	ccatcttctc	ctgcgacgac	60
ttctacatcc	tgggcagtg	gctggtgaca	ctggagacca	ccattggcaa	caagaaccca	120
gccctgtgga	agtatgtgcg	gcccaggggc	tgtgtgctgg	agtgggtacg	caacatcggt	180
gccaaccgcc	tggcctcgga	tggggccacc	tgggcagaca	tcttcaagag	gttcaacagc	240
ggcacgtata	acaaccagt	gatgatcggt	gactacaagg	cgttcatccc	gggtggggccc	300
agccccggga	gccgggtgct	taccatcctg	gagcagatcc	ccggcatggt	ggtggtggct	360
gacaagacct	cggagctcta	ccagaagacc	tactgggcca	gctacaacat	accgtccttc	420
gagactgtgt	tcaatgccag	tgggctgcag	gccctagtgg	cccagtatgg	ggactggttt	480
tcttatgacg	ggagcccccg	ggcccagatc	ttccggcgga	accagtcact	ggtacaagac	540
atggactcca	tggtcaggct	gatgaggtac	aatgacttcc	tccatgaccc	tctgtcactg	600
tgcaaagcct	gcaaccccc	gcccgaatgg	gagaatgcta	tctccgccc	ctccgacctc	660
aaccgggcca	atggctccta	ccccttccag	gccctgcgtc	agcgctccca	tgggggtatc	720
gatgtgaagg	tgaccagcat	gtcactggcc	aggatcctga	gcctgctggc	ggccagcggt	780
cccacgtggg	accaggtgcc	ccggttccag	tggagcacct	cgcccttcag	cggcctgctg	840
cacatgggcc	agccagacct	ctggaagtgc	gcgcctgtca	aggtttcatg	ggactgaagt	900
tctgtccctg	ctctgctgct	ttcgccccctg	ctgaccctcg	tcagggtcac	ccccgtccca	960
aggccaccgg	acttctaact	ccagccccctc	ctgggggctt	cgttctctga	tctggggtct	1020
gagtcattct	ctcctagagt	gggtcacgaa	cctgatgggg	ctcagaactg	acccccctct	1080
tccccgagg	tgggtgggca	ccgtggcgct	tcttctgccc	tgccctaaat	ctcccactct	1140
ctgtttctgt	ctgttttcta	ctgctgctct	ctcaacctca	ttcccacctc	tggggccccct	1200
tctcgtgct	tctccttcc	gaggggttgg	gaaggctctg	gggcagactc	tggggctccc	1260
atgggggtgga	aggagcctgt	tccagcacc	ttctcccagc	tgcatcccca	cgggtggccc	1320
tggagctggt	gagctttgtc	tgggcgttgt	cttcggtggt	cattgctcct	cccagctctg	1380
gcccctctgc	tccctcagga	agcagtcacc	tctctccct	ttctgggcag	cttccttgag	1440
gacagaaact	tgaaaacaaa	cacaaaccaa	agttttctggc	catctgtggc	tggaggggttc	1500
tgaatgtcct	ctctccatgt	caggcagagg	gtcagccccc	atgcttctgc	ctcaggcccc	1560
accccccccc	accccaggcc	tgcccctcac	ctcagggcca	taccacacgc	gccctgatgg	1620
aggaaccaga	ccgcaggctg	tgccaccatt	aaacaagagc	ggctgtggaa	aaaaaaaaaa	1680
agggggggcc	cttttaagg	gaccaagttt	aaggcccggg	ggcgggcaag	gtaaaatttt	1740
tttaaggggg	ccccaaaaat	aaattcccgg	gcccgcgttt	aaacaccgcg	gggaggggaa	1800
aaccgggggc	gaaccctaat	aaaaccgctt	gcgaaaaann	nnnnnnnnnn	tntttnttag	1860

<210> 4338
 <211> 1389
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2)...(857)
 <223> similar to gi4263748 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

001210 5243460

```

<400> 4338
cgagatggac cacgtcatgg acgtggtagt gaagtccgtg aactggatat gctccccggg 60
actgaaccac agcgagttca caaccttgct ctatgagctg gacagccagt atggtagcct 120
cctgtactac acggagatta agtggctcag tcgcgggctc gtgctaaaga gatttttcga 180
atccttgga gaaatcgact ccttcatgtc atccagaggg aaaccctgc ctcaactgag 240
ctccatagat tggatccgag acctggcctt cttggttgac atgacgatgc atctgaacgc 300
tttgaacatc tctctccaag gacactccca aatcgtcacg cagatgtatg acctgatccg 360
ggcgttccta gcaaaactgt gcctctggga gactcatttg acgaggaata atctggccca 420
ctttcccacc ctgaaattgg tttccagaaa tgaaagcgat ggcctgaact acattcccaa 480
aatcgcgga ctcaagaccg aattccagaa aaggctgtct gatctcaaac tctacgaaag 540
cgaactgact ctgttcagct ccccggttctc cacgaagatc gacagtgtgc acgaggagct 600
ccagatggag gttatcgacc tgcaatgcaa cacggctctg aagacgaaat acgacaagggt 660
gggaatacca gaattctaca agtacctctg gggtagctac ccgaaataca agcaccattg 720
cgcaaagatt ctttccatgt tcgggagcac ctacatctgc gaacagctgt tctccattat 780
gaaactgagc aaaacaaaat actgctccca gttaaaggat tcccagtggg attctgtact 840
ccacatcgca acgtgatgga gagaaaactc ctggcagggc cctatggtgg gaaaggctgg 900
agtcttctag tcccaaggga ttgggagatg acaaaatgaa tttttttttt cttttttgag 960
atggagtcct gctctgtcgc ccagggttga gtgcagtggc gtgatctcgg cttactgcaa 1020
cttccagctc ctgggttcga acgattctcc tgcctcagcc tcccagagcag ctgggactac 1080
aggcatgcgc caccatgccc ggctaatttt tgtattagta gagatgagggt ttcaccatgt 1140
tggccaggct ggtctccaac tcctgacctc aggtgatcca cctgcctcga cctcacaaag 1200
tgctgggatt acaggcatga accactgtgc ccagctgaca aaatgagttc ttaaactttt 1260
tttttttttc agtttttttt ccactttgaa tcagaaatat aatctgcagt atcatacttg 1320
tttatattac attgtatgcc tcaactattca ttaaaaatca agaaagtttt attgtaaaaa 1380
aaaaaaaaa 1389

```

```

<210> 4339
<211> 1523
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (1487)...(555)
<223> similar to gi475934 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4339
tttttttttt ttgaaaaata aatgatttta ttgcagggcc aatgataggt agtcacaagg 60
gcatgaaatg gcagatctct tgtctgaagc agagaaggca cactggcaga ctccatgtgt 120
gtcaaacgct gtgcatgaat caggttttta gaaggaagggt aggagaggaa aactactcac 180
tagcagaact gaactgctgt aaaatagggt aaattctttg aaaagtgaaa aatgatagta 240
gcaaaatcat gaagttgtat ctgaaccaga gccgtgatgt aaccaagtaa gatggaagtt 300
tccatccaga cgagttaatt cccgaacaag gtcacaggaa aggtgagacg ctgccgggttc 360
cggcacgcct gtcttctgga gtgccagtga cggggcaaga aattttgatt ctttcctttg 420
atactcttgg gaaagaacac atttcccaag cccctggaga cccacagggt ttggcactgt 480

```

c c g t g a g g c t	g t g c t c c t g a	g g a c g g a c g t	t c a g g a g g c c	g t g g a g g a g c	a g c g c t g c a g	540
g a g c a g g g t g	t g g c a g c t g t	c g c a c a c t c g	c a c c g g c t t g	g g g t a g g a g g	g c a g g g c c a g	600
c t c g t t g c t g	g a g c a g g t g t	t g c a g a a g a t	g t g g c c a c a g	t t c c g g c a g t	g g t g c t t t c t	660
c c g g g a a a t g	g a g a a c t c c t	t c t c a c a c t g	c c t a c a g t g t	g t c g c t t c g t	c a t c t t t c a g	720
c c a g g c g t g g	c c c t t c a g t g	c c t g g t t c a c	t t c t t t t a t a	t c t t c c a t c t	t c a g c t t g g a	780
c t g g c t g a g g	t g c a g g c c c a	t t t c c t g g a g	g g c t t g t t c c	t g c t c c t c g c	a g a t c t t c t g	840
c a g c t c t g c c	t t c t c g t c c t	g a a g c t c c c g	c a a c t c c t t t	t t c a g t c c t t	c c a c t t g t t g	900
c a g c t c c a t c	c t g a g t a g a g	a g g a a g t g t c	t t t c t c g t g c	t g t a a t t c g c	g c t g a a g a g c	960
c t g t c t t t g c	t c t t t t t c t g	a t t t c a a t t c	t t t c t c c a g g	c t t g a g c a t t	g c t c g t g c a g	1020
c t g g g a g a g c	t g c a g c t g c a	g g g c g c c g a t	c c t c c c g c c c	a g c t c c t g c t	g c a g c t t g t g	1080
g c t c c g c t c c	t c a g c c c c c t	g c c t c g c c c g	c t c c g a g t g c	t g c a a c c t t t	c t t c c a t t t g	1140
t t t c a t g c t g	g a c a t a a c t t	g g t t g g t t t t	t c c t t c a a a g	g a t g t g a t g g	c t t c a t t c t t	1200
c t g c t g c a a a	c t g c t c t c t g	c a t t c t g a g c	t t t g t g a a a c	a t c t g t a a a t	t a a t c g c t t t	1260
g a c t t c t t c c	a g t c t g t g g c	g g a g g g c a a c	t a g t g t g t c c	t g c t t c t c g t	g g g t g t c c t t	1320
t t c c a g t a a c	t t c a t t g c a a	t t t c c a t t t c	g g t t t t c a t t	c c a a t t t g t a	a c t c c a g t t c	1380
t t t t t c a a g t	t c c a a c c g g a	c t t t c t t c t c	c t c t t t t a g c	t g c t t c c a c a	c a t c a c t g t a	1440
c a t t t c a t c c	a g a c c t t g c c	g a g t t t g c t t	g t a a g t c t c c	a g c t c a a c t t	t g g t a t c c t g	1500
t t t t g t t a t c	t c t a c a c t c t	t t t				1523

```
<210> 4340
<211> 1838
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1839)...(1477)
<223> similar to gi4960159 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	4340					
tttttttttt	ttatatTTaa	aaattaattt	aatgcttggc	taaatcttaa	ttacatatat	60
aattatcaaa	cgatagtcct	taattttcaa	aaaaattcct	cttttgaaaa	tccagaatca	120
gaaagcataa	actttttaaac	caagttcccc	tgaatattta	caatgtggta	taaacattat	180
agaagaccat	ggatattaaa	ttgcctgggg	tgtggctaata	cagcaaggcg	tattctttat	240
tgcatattta	actcacatat	gtgggatttt	aaatatgaca	gactactaaa	attcaaattgc	300
atgtatctgc	aagctgggca	gggagtaaaa	tcatgaatga	gacaggacgg	tcagcccaaa	360
accatgcaat	taggttgtgg	gtttattatt	ttcaaagtg	aaatttctat	gttccatttg	420
aaactatggt	gcatattcat	ttagcattca	cattaaacc	acatttgact	ctaacgctga	480
ttcaaggaag	aaagttcaac	attcactcaa	tgactaagtc	cacaactcaa	ctctcaatgt	540
taaggcagca	cagctacagt	gatagcaacg	ctaaccaaaa	ggtaatgaac	atttagtcac	600
ttgccagccc	ttttgttaca	acagtgtagt	aatttcccta	agacaatttg	ctaccggata	660
attttctgct	gttaaaaaggc	ttcctctgtg	gaaaaacacc	acaaatttcc	agtgtgaaag	720
taagtccatg	gtggtataaa	tatatatatg	cataattaca	caattttacac	tgcacacatc	780
gtttacaggg	gacaattaac	tgagagggtt	aattttaaag	accatacaaa	atacttcagt	840
aaacaaagta	tgacaggcag	tcaagaaaa	attcatagac	tcctagaaa	aatctgaatt	900
cctttcattc	tgaagaataa	taacttaagg	acacagtatt	gaatataatg	ttttttgtat	960
taaaacaaga	attgctattt	tacagtttaa	gaaactttac	atatatacaa	aaatttcaca	1020
ttgggaatgg	taatcaagca	aatagggttt	tcagtctcat	agatctattt	tccttcgatac	1080
aaagacttaa	attctttcac	attgtgggtca	cttgcaacag	acatagcatg	atccaaagct	1140

cgaacacttg	caaggagttt	tactatctgt	tttatgtttt	cccttgcat	tcttttttcc	1200
acatcagaac	acccgatact	atttctataa	attgtatccg	ctaagtgtac	aaggatccg	1260
caaaagtttt	ctaactgaga	aatagtcctt	tctcctttca	gattcatgaa	ccattgtttg	1320
gggaaacaat	tgattacatt	ttgggctttt	ttgatgctgt	catctccata	ttctgaattc	1380
tgaaaagcca	tgagaatata	tcgatttaat	aaaccatcta	ttgataactc	ttgcagagtt	1440
ttatttgaga	aaatgccata	ccactgaaga	aaattgccta	acagcttaac	tgaagaccaa	1500
aactgtcgtt	gaaaaaaca	gtaaggccca	gaatttttat	tttctaagac	atttttggga	1560
tataagggca	taaatacatc	atcatctaaa	gttctttctc	ttctcaataa	aagtgccttt	1620
aggtatacct	gtgtattttt	atcttctgca	ttcactactg	aaggatatcc	attgattaat	1680
tttagtgtaa	ttcccacat	tcttgaagtc	tgtgtttag	aaaaagggtc	ccacatattt	1740
tcagctatca	ctggttagtt	aggaagaatc	accttttcca	caatggttag	tagtagggca	1800
acatctacat	catctttttc	ttgctctcgt	tcttcaca			1838

<210> 4341
 <211> 1356
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc feature
 <222> (192)...(756)
 <223> similar to gi485114 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4341						
aggcatgcac	caccatgccc	ggccatttgc	tgtcacttct	gtctccttga	gtctgcctcc	60
tcttgcttca	cctccatgaa	gccagggggc	ttttgcttgc	ttgggtcact	atgactgaat	120
tcttcccacg	tagtctgtgg	tagacatctt	cgtaaaactca	gacacctcat	gtcctctttg	180
tcttcatcct	tcaggactat	ggcccccagg	tcaactttcg	gaaacagaag	ctaaagaccg	240
agggtctctg	cggcctcccc	agcttcagcc	gggaggtggt	gcgaggatg	ggcctctacc	300
cggggctgga	gggcttccgg	cccgctgagc	agtgcacact	ggactactgc	cccagagcggg	360
gctctgccat	tgacccccac	ctggacgacg	cctggctgtg	gggggagcgg	ctggtcagcc	420
tcaacctcct	gtccccccac	gtgctgtcca	tgtgtcgggg	ggcgcccggg	agcctgctcc	480
tctgctcggc	cccgctcggt	gccccggagg	ccttggtgga	cagcgtgata	gcacccatcc	540
ggtcggtgct	atgccaggag	gtggaggtgg	ccatccccct	acccgcccgc	tccctgctgg	600
tctcaccggg	ggcggcacgg	caccagtggg	agcatgccat	ccaccgcaga	cacatcgagg	660
cccgccgcgt	ctgcgtcact	ttccgggagc	tgtcggttga	gtttggccct	ggagggaggc	720
agcaagagct	gggccaggaa	ctgctgcgga	tcgcctctc	cttccaggga	agaccggtgt	780
gaaccgcctc	cttggtcca	gacttgactg	atcccgggat	tgaaatgagg	agcacagaac	840
agggcctcct	gcaactcacg	gggtttcaag	agaagatggc	tgacccctga	tgctgtgagc	900
agtgtgagcc	ctgcccagga	gcaggttttg	atgggaacgt	acctccaggc	agcccccttc	960
cacctggacc	gtggccacac	ttttttggtt	atttagtttg	tcacagtctt	ggggacattg	1020
gatcatttga	gcttaaaaaa	tactgggggc	cgggcacagt	ggctcacacc	tgtaatccta	1080
acactttggg	aggctgaggt	gggcggatca	cttgatgcca	ggagttcgag	accagcctgg	1140
ccaacacggt	gaaaaccggt	ctctacaaaa	actacaaaaa	ttagccgggt	gtggtgactc	1200
acagccgtaa	tcccagctac	tcgggaggct	aagggtgggag	aattgcttga	acctgggagg	1260
cggaggttgc	agtgagccaa	gatcacgcca	ctgcactcca	gcctcggtga	cagagcaaga	1320
ctgttttgaa	aaaaaaaaaa	aatgggaaca	ttttaa			1356

<210> 4342
 <211> 2008
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(2009)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1988)...(793)
 <223> similar to gi3924848 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4342
 agcctgccag gccccacga agcaaaggct gtcaacgatg acatcagacc ctgcagtcgg 60
 agaaggggaa ggctgggtga tgcagctccc cgagccnact gtcaggggga cgggtcactg 120
 agaccacatg gggaaacaaa ggctccagga gggctggaat cccagaaccc cagggctggc 180
 actgccctcc tccaggcaag aaggagcaga gataaataac catgtccacg ccaccatcgg 240
 ggagcgggag gggacgtcct aggacagaca cggagcaggg agcaggtcag gcctgcagtc 300
 caggccccctt gcggcaggag gcggtgggcg gagcccgcgc gcgatcgggc agggggtccc 360
 ggctgtctct ctttaatcgt gcatgtgtgc ttaccccagt ccgagggcgg ccggctccca 420
 ggactggggg gctcgtccgc aagtccgtag cctggccccg ggacgtctcc caagctctcc 480
 tccaaggaag ttcaaagaca aggaaaagaa gaaacaatcc cccccagtc tcggagagca 540
 acagaaaaaa gctctgtaat tcagtgttcc aaccaccgcc ggggagggag agggcccctg 600
 tcctgcagg gccgcccggg ggggggccag tgtccactca ctctgtctcg gccccaggga 660
 ctgtggagcg gcgggggctc cggctgtggg ggtggctgtg tcaactgtgtc ttggccttca 720
 cgagcagcct ctggacggtc ttgtagagga ggctgaagtg ctgagcctgg gcactgtctca 780
 cctggacagc cacgtaggcc atgccaggt aggcagcaat gccaacagcc aggagcaggt 840
 caaagacggc cggcttgact ctgtacgcat tcatcacttg cttcagctgg tcgtagaaga 900
 caaactctgg gtcccgttg tcagccttga cgtggtgtcg cttcacgtcc ttcaggtagc 960
 ggctcaggtg gtgctccagc gtgctgagga aggtgtgtgc cttgtccacc agctgcgcgg 1020
 cccgcggctg gttggtgagc cagtccatca ccgagtcag ctgctcctgc tggatctgca 1080
 tctgtctgtg gaacaccggc atgtctgggg gtgtccccct ctctgtcagg ttgtagatga 1140
 ctgagtcag ggcctctgca atgacccctg tgttacgggt cagggtctta gaatccaccc 1200
 gggaccgcac gtccatgatg ctgctgcgct ggccgtcacg gtggctctcc aggtgggaca 1260
 gcgtgaaggc gggcagtcgg cggatggcga agcgtcgtg ctcccaggcc agcacgtcct 1320
 ccgccaggtt gatccgcttg tgcacatgg agaaccgtac ctcagggaac tgggtgcgcgg 1380
 ccaccgtctc cagctcccgc aggaaggcgt gctgcagggt gccctcccga ggcggcttg 1440
 acacgtgcag gtgcaggctg ctgccccggc ccacggtgtc caggcacagc acgaaggcca 1500
 cattgtcctg aagcaggctg gactctgtgt ggtccagggt gtcttccagc cagcgtctgg 1560
 ttccctggta gttaaacttg cctcctccag acgcaaagaa caggaggttg taggcggcgt 1620
 gcgtgcgctt gtaggtgtag agccgggaga agaggcgtgc cagctccagc agcacagaga 1680
 cgccgtccc gttggagtcc gcgccagcg acagccaggg ggccactcca aaggcgtcgt 1740
 agtggggcac gatgacgatg gtgggaaggc cctctccgcc cagccccgtc agccgcccct 1800
 ccacgtggc aatcagccag tcaactcagg ccttgtctctg taccctcgtg gtgaccatct 1860
 ggaagccgtt ggcagtggcc gtgcgcagca gtacttcagc agcagaggcg gagccctggg 1920
 aggcgcaggc agcttgggtc tgcttgtaga tagacagcag ggcttcgtcc tccacggcaa 1980
 agtacacggg gcgggcggtc tccatggc 2008

<210> 4343
 <211> 1475
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2)...(1222)
 <223> similar to gi5441611 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

00405731.02400

<400> 4343
 ggagatgaaa aagggttactg aagggtgttgt cgatgtcatc gtctacccaa gcgctgcaga 60
 taaaacccaaa aaccgagggt ttgccttcgt ggagtatgag agtcatcgag cagctgccat 120
 ggcgaggagg aaactgctac caggaagaat tcagttatgg ggacatggta ttgcagtaga 180
 ctgggcagag ccagaagtag aagttgatga agatacaatg tcttcagtga aaatcctata 240
 tgtaagaaat cttatgctgt ctacctctga agagatgatt gaaaaggaat tcaacaatat 300
 caaaccaggt gctgtggaga ggggtgaagaa aattcgagac tatgcttttg tgcacttcag 360
 taaccgagaa gatgcagttg aggctatgaa agctttaaat ggcaagggtgc tggatgggtc 420
 cccattgaa gtcaccctag caaaaccagt ggacaaggac agttatgtta ggtatacccg 480
 aggcacaggt ggaaggggca ccatgctgca aggagagtat acctactctt tgggccaagt 540
 ttatgatccc accacaacct acctggagc tcctgtcttc tatgcccccc agacctatgc 600
 agcaattccc agtcttcatt tcccagccac caaaggacat ctgagcaaca gagccattat 660
 ccgagcccct tctgttagag aaatttacat gaatgtacct gtaggggctg cgggagttag 720
 aggactgggc ggccgtggct atttggcata cacaggcctg ggtagaggat accagggtcaa 780
 aggagacaaa agagaagaca aactctatga cattttacct gggatggagc tcaccccaat 840
 gaatcctgtc acattaaaac cccaaggaaat taaactcgct cccagatat tagaagagat 900
 ttgtcagaaa aataactggg gacagccagt gtaccagctg cactctgcta ttggacaaga 960
 ccaaagacag ctattcttgt acaaaataac tattcctgct ctagccagcc agaatcctgc 1020
 aatccaccct ttcacacctc caaagctgag tgcctttgtg gatgaagcaa agacgtatgc 1080
 agccgaatac accctgcaga ccctgggcat cccactgat ggaggcgatg gcaccatggc 1140
 tactgctgct gctgctgcta ctgctttccc aggatatgct gtccctaata caactgcacc 1200
 cgtgtctgca gccagctca agcaagcggg aacccttggg caagacttag cagcatatac 1260
 aacatatgag gtctacccaa cttttgcagt gactgcccga ggggatggat atggcacctt 1320
 ctgaagatgc ttttttaaat ttaagaataa gacacacaaa actctattaa aaaaaaaaaa 1380
 aagggggggc cgttttaaaag gatccttggg ggggcccagg tttacgcggg catgcaacgt 1440
 aatagttttt tccttatagg gaggcgtatt ataac 1475

<210> 4344
 <211> 1092
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (17)...(221)
 <223> similar to gil710382 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4344

aatagaaaat	cgatcgccct	cggtagccgc	ccggaattcc	cgggggggtga	tatccatgga	60
ccgggattat	cactttgagt	gctaccactg	tgaggactgc	cggatgcagc	tgagtgatga	120
ggaaggctgc	tgctgtttcc	ctctggatgg	gcacttgctc	tgccatgggt	gccacatgca	180
gcggctcaat	gcccagacaac	ccctgccaac	ctatatctga	gctgcaatca	ctgctgctgc	240
tgtagccctg	cagacaaact	gctgtggcca	gtgggcccct	ctgaggccag	ccaaggcaaa	300
gaatgcactc	tgtaggcctg	gcagaagagt	cctctgggga	ggacccaag	ggccggagac	360
ccaagatca	tgatattcca	aatggattgt	ggaagagaaa	ccttatattt	accagggtgg	420
gggtagctgg	cctttttccc	atgtgtgcag	tctgagctta	ggcacacaca	ggaggggtcc	480
aggactttct	gaacatctga	ttctgtatct	tcagtatata	tattttgttt	gttttagaga	540
tgtagctca	ccatgttgga	caggctgggc	tccaactcct	gacctcaggt	gatccaccca	600
ccttggcctc	ccaaagtgtc	gggattatag	gcgtaagcac	ttgtgtctgg	cctagtgtat	660
gattatgcat	gagtcacgca	atgttctggg	cctggattcc	aggagtagag	gacctagctt	720
taaatcaatt	agtttcagct	aagctgacta	gaaccgggtc	aaagtgtaat	tctccctcca	780
gctcccccaa	acccagaggt	tttggggttg	tggttgatgc	agtgtgggat	gtccctgaga	840
ggtagcaagt	ctagggtggg	gagttcctgc	taggcaacca	aatttaagct	cctcactttt	900
tgtagacacat	ggtgtcagat	atgggggtccc	gcacctatat	ctggatgaag	aggtagaaac	960
tctggacctc	attaatgagt	tatttcttgg	ccttcttcta	aggactagga	gagctcctta	1020
tctgtctgag	aatggggacc	agctctgagt	gggggttgctg	cctgtattcc	ctgtttctca	1080
ggaacttaca	tg					1092

<210> 4345
 <211> 2009
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2)...(1351)
 <223> similar to gi790585 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4345

tgtagaaca	ccatatgac	ttgataatat	ttatttagaa	gaggtggaca	gtgtagtggc	60
tgtagagtat	gagctggaat	acctgttact	ggaaggtcat	tgtagagaca	tcaccacagg	120
ccagcctcca	cggggactac	agtttacctt	aggaacttca	gccaaccagg	tcattgtgga	180
caccattgtt	atggccaatc	tggtgtactt	tcagctgaaa	gccaaccagg	gagcttggat	240
cctcagactt	aggaaggagc	gctctgaaga	tatttataga	atttacagcc	acgatggcac	300
cgattctccc	cctgatgctg	atgaggtggg	tatcgtcctc	aacaacttca	aaagcaaaat	360
tattaaagtg	aagggttcaga	agaaggcaga	tatgggtgaac	gaagacttgc	tgagtgatgg	420
aacgagttag	aatgaatctg	gattttggga	ttccttcaaa	tggtggcttta	caggacagaa	480
gactgaggaa	gtgaagcaag	ataaagatga	cataattaat	attttctccg	ttgcatctgg	540
tcatctctac	gaaagatttc	ttcgcataat	gatgctatcc	gtgctgaaga	ataccaagac	600

tcctgtgaaa	ttctggttct	tgaagaatta	cttgtccccc	acatttaagg	agtttataacc	660
ttacatggca	aatgaataca	atttccagta	tgagcttggt	cagtacaaat	ggccccggtg	720
gcttcatcaa	caaactgaaa	aacagcgtat	catctggggg	tacaagatcc	tcttctctgga	780
tgtacttttc	ccactagttg	ttgacaagtt	cctgtttgtg	gatgctgatc	agattgtacg	840
aacagatctg	aaagagttaa	gagatttcaa	tttggatggg	gctccttatg	gttacactcc	900
tttctgtgac	agccgaagag	aaatggacgg	ctacagggtt	tggaaatcag	ggtactgggc	960
cagtcattta	gccgggcgaa	agtatcatat	cagtgcacta	tatgttgtgg	atctgaagaa	1020
gtttaggaaa	atagctgctg	gtgacagact	caggggacag	taccaagggt	tgagtcagga	1080
ccctaacagc	ctttcaaatc	ttgatcaaga	tctgccaat	aacatgattc	atcagggtgcc	1140
aattaaatcc	ctccctcaag	aatggctttg	gtgtgaaacg	tggtgtgatg	acgcctctaa	1200
gaaaagggca	aaaaccattg	atttgtgtaa	taatccgatg	accaaagagc	cgaaactgga	1260
agcagctgtg	cggattgtcc	cggagtggca	ggactacgac	caagagatca	aacagctaca	1320
gatccgcttt	cagaagggaga	aagaaacggg	agcactgtgc	caaagagaag	cccaaaaaaa	1380
cccaagccga	aaaggctcct	agaaaacgtg	agaattatga	tctctggaga	aggacaggaa	1440
atcaccccat	ttgaaaaaca	gtttttataa	taaatgctag	ttttttctga	tctgtctata	1500
caactgctga	taagccggct	gggcaggagt	gccacacctt	ttgattctga	gcatttgatt	1560
ctgacttctg	tactctggtg	gccactggat	ctttgggatt	aaagctctgt	tggtattgta	1620
cctcagagga	agaccaagtg	gctgatcctt	tggaactctg	aaagagcatt	cttctagtca	1680
gaggggtggaa	tggcagcagc	aactggaaga	aaatgagttt	tttggtgccc	acacccaaga	1740
gcacacacat	gctgcactgt	ctcggaaagc	agggccagct	agagccacca	tgttcttctt	1800
tacctcagtt	tacctgcggc	ctgcgctgca	ctgcagatgc	ccaccctgcc	ctgggtctgg	1860
ccggcggaag	ctctgtccaa	ggtccacaca	cctccagggt	tacgccaaca	tccttgtgcc	1920
ctccccacct	tctcttccaa	cgcattaggt	gcattgttta	attgaaatcc	aaccaacaat	1980
tgtgtgtcaa	ataaacaana	aaaaaaaaa				2009

<210> 4346

<211> 1699

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (40)...(1376)

<223> similar to gi3043574 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4346

ctgtcaaata	gttgtttaga	aagtgatttt	acatctggtg	gagtttgtca	ttcggatccc	60
aagatgacaa	gtaacatgct	cgcctttctg	ggggaaaatg	cagagggtcaa	agagatgatg	120
actacatgga	ctctccagaa	aggaatcccc	ctgctgggtg	ttaaacaaga	cggtgttca	180
ctccgactgc	aacaggagcg	cttccctccag	ggggttttcc	aggaagaccc	tgaatggagg	240
gccctgcagg	agaggtagct	gtggcatatc	ccattgacct	actccacgag	ttcttctaata	300
gtgatccaca	gacacattct	aaaatcaaag	acagatactc	tggtatctacc	tgaaaagacc	360
agttgggtga	aatttaattg	ggactcaaat	ggttactaca	tcgttacta	tgaggggtcat	420
ggatgggacc	aactcattac	acagctgaat	cagaaccaca	cacttctcag	acctaaggac	480
agagtaggtc	tgattcatga	tgtgtttcag	ctagtgggtg	cagggagact	gaccctagac	540
aaagctcttg	acatgactta	ctacctccaa	catgaaacaa	gcagccccgc	acttctcgaa	600
ggtctgagtt	acttggaatc	gttttaccac	atgatggaca	gaaggaatat	ttcagatatc	660
tctgaaaacc	tcaagcggtt	ccttcttcag	tattttaagc	cagtgtattga	caggcaaagc	720
tggagtgaca	agggctcagt	ctgggacagg	atgctccgct	cggctctctt	gaagctggcc	780

tgtgacctga	accatgctcc	ttgcatccag	aaagctgctg	aactcttctc	ccagtggatg	840
gaatccagtg	gaaaattaaa	tataccaaca	gatgttttaa	agatttgtga	ttctgtgggt	900
gctcagacaa	cagcaggatg	gaattacctt	ttagagcaat	atgaactgtc	aatgtcaagt	960
gctgaacaaa	acaaaattct	gtatgctttg	tcaacgagca	agcatcagga	aaagttactg	1020
aagttaattg	aactaggaat	ggaaggaaaag	gttatcaaga	cacagaactt	ggcagctctc	1080
cttcatgcga	ttgccagacg	tccaaagggg	cagcaactag	catgggattt	tgtaagagaa	1140
aattggaccc	atcttctgaa	aaaatttgac	ttgggctcat	atgacataag	gatgatcatc	1200
tctggcaca	cagctcactt	ttcttccaag	gataagttgc	aagaggtgaa	actatttttt	1260
gaatctcttg	aggctcaagg	atcacatctg	gatatttttc	aaactgttct	ggaaacgata	1320
acaaaaata	taaaatggct	ggagaagaat	cttccgactc	tgaggacttg	gctaattggt	1380
aatacttaaa	tggtcaatag	aaaaagtagg	ctgggcgcgg	tggtcacgc	ctgtaatccc	1440
agcacttttg	gaggctgaga	agggcggatc	acgaggtcag	gagatggaga	ccatcctggc	1500
taacacggtg	agaccccgtc	tccgctaata	atacaaaaa	ttagccgggc	atggtggcag	1560
gtgcctgtag	tcccagctac	tcggcaggct	gcagcaggaa	aatggcataa	acccgggagg	1620
tggagcttgc	agtgagccga	gattgcacca	ctgcattcca	gcctgggtga	ctgagcgaga	1680
ctctgtctca	aaaaaaaa					1699

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<210> 4347
<211> 408
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(409)
<223> similar to gi5802788 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 4347	
tgcagatttt	tatgctggtc aagagaaaga ttaacatact ttctggaatc agaacctttc 60
ttgtatgaaa	tctttaggta tcttattgga aaagacatca caaataagct ctactcattg 120
aatgatccca	ccttaaatga taaaaaagcc aaaaagctgg aacatcagct cagcctctgc 180
acacagatct	ccatgtttgga aatgaggaac agtatagcca gctccagtga cagtgcagac 240
ggcttgcacc	agtttcttcg gggtaacctc agcatgtcct ctcttcatgt gtcatcccca 300
caccagcgag	cctctgccaa gatgaaaccg atagaagaag gagcagaaga tgatgatgac 360
gtttttgaac	cggcatctcc aaatacattg aaagtccatc agctgcct 408

```

<210> 4348
<211> 1232
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (783)...(352)
<223> similar to gi2301185 in the genepept database release 114,

```

Run with FASTXY 3.3t00, default parameters

```

<400> 4348
taatgaatta acataaatca taaagattct atattttaatt ataaaaacat aaaattatca    60
catcaattta attcttataa gtttatacat actgcataat gactttgaaa acagtataac    120
tcaaaataat agaaaacaaa attgggtgca atgaagtact actgaatttc aggtatttct    180
gtgacaacac aaatttataa tttaataaaa tattaccttt tcttagcaaa aagggttttt    240
aagccagatt atcctttcat gttttaaatg aagcttcttc taaaagaagt cctttttattc    300
acagttgcaa atttcttttt aacacataca atgtatacta catgctggaa tcaaacacct    360
gaaggagctg gaatcttatg aatacagcca gggcaacagt gtagagaatc atgaacaaaa    420
acatcacagt ccacacagaa aacattttgg cacacagcac aaacataaac atgttggtct    480
ttcaattccc cctgacatcc ataacaaaat ctttctccat tataattcttc taggggaatt    540
tcttgaaaag catccaaagg aaacaaatga tggttaagacc gtgccaaagt gggagcagac    600
accaaagtaa gaccacagat tttaactca acaggtagct cacagtactt tgcccgacac    660
tgtgggcaga aatagcctcc taatgtaagc cctggctcag tattgccatc caaatgcgcc    720
atgctgaaag agggttttgc atcctggtca gataaagaag caatggtgtg ctgaggaaat    780
ccttcataga agaaaatgta ttactttctt tttccaagca aacagcagaa ttctaggact    840
aagaacctaa aaatgttctt ctcaaaaagc caatgaagtt gtacaaaata tcactttact    900
gcctttcaga taagcttatt atagcatgat gaaactgact aattccaagc tacaagaaaa    960
agtagaggaa acgggggaaa gacctgtcta tatacgacct cagattttga agttcaaaaa   1020
aaaaattttc tttttttttt ttcttgagat ggagtcctgt tctgtcaccg aggcgggggt   1080
gcagtggcat gatctcggtc cactgcatcc tccactgcct ggggttcaagc gattctccca   1140
cctcaccttc ccatgtagct gggattacag gcatctgcca ccatgcccag ctatatattt   1200
tctaacttaa tgattaacac tactttttta ag                                     1232

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```

<210> 4349
<211> 2617
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (7)...(767)
<223> similar to gi4432821 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4349
ctgggagcac gctgctggtc actctatggc cgctgctacg tccgccactt caacgagctg    60
gagcacgagc tgcagtcocg cctcaaccgt ggctacaagc ccgcctccaa gtacatgaat    120
tgcttcttgt cacctctttt gacactgctg gccagaatg gagccttctt cgctggctcc    180
atcctggctg tgcttattgc cctcaccatt tatgacgaag atgtgttggt tgtggaacat    240
gtgctgacca ccgtcacact cctgggggtc accgtgaccg tgtgcaggtc ctttatcccg    300
gaccagcaca tgggtgttctg ccctgagcag ctgctccgcg tgatcctcgc tcacatccac    360
tacatgcctg accactggca gggtaatgcc catcgctcgc agaccgggga cgagtttgcc    420
cagctcttcc agtacaaggc agtgttcatt ttggaagagt tggtgagccc cattgtcaca    480
ccctcatcc tcatcttctg cctgcgcccc cgggccctgg agattataga cttcttccga    540
aacttcaccg tggaggtcgt tgggtgtggga gatacctgct cctttgctca gatggatgtt    600

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cgccagcatg	gtcatcccca	gtggctatct	gctgggcaga	cagaggcctc	agtgtaccag	660
caagctgagg	atggaaagac	agagttgtca	ctcatgcact	ttgccatcac	caaccctggc	720
tggcagccac	cacgtgagag	cacagccttc	ctaggcttcc	tcaaggagca	ggttcagcgg	780
gatggagcag	ctgctagcct	cgcccaaggg	ggtctgctcc	ctgaaaatgc	cctctttacg	840
tctatccagt	ccttacaatc	tgagtctgag	cccctgagcc	ttatcgcaaa	tgtggtagct	900
ggctcatcct	gccggggccc	tccactgccc	agagacctgc	agggctccag	gcacagggct	960
gaagtcgcct	ctgccctgcg	ctccttctcc	ccgctgcaac	ccgggcaggc	gcccacaggc	1020
cgggctcaca	gcaccatgac	aggctctggg	gtggatgcca	ggacagccag	ctccgggagc	1080
agcgtgtggg	aaggacagct	gcagagcctg	gtgctgtcag	aatatgcatc	cacagagatg	1140
agcctgcatg	cctctatat	gcaccagctc	cacaagcagc	aggcccaggc	tgaacctgag	1200
cggcatgtat	ggcaccgccc	ggagagtgat	gagagtggag	aaagcgcccc	tgatgaaggg	1260
ggagagggcg	cccgggcccc	ccagtctatc	cctcgctctg	ctagctatcc	ctgtgcagca	1320
ccccggcctg	gagctcctga	gaccaccgcc	ctgcatgggg	gcttccagag	gcgctacggt	1380
ggcatcacag	atcctggcac	agtgcccagg	gttccctctc	atttctctcg	gctgcctctt	1440
ggaggggtggg	cagaagatgg	gcagtcggca	tcaaggcacc	ctgagcccgt	gcccgaagag	1500
ggctcggagg	atgagctacc	ccctcaggtg	cacaaggtat	agacaaggct	gagcaggggt	1560
cctgtggccc	aggatggagg	ccaccgctgc	cctgccatcc	cgtctgcctg	ccatgggacg	1620
gctcctctga	gtgttccctg	gccccacgtg	tgtggtgttt	gtgtgtctgt	gcctggccaa	1680
gggaggtgcc	aacactgggc	ttgccacagc	cccaggagag	gaatttgggg	cctaggaacc	1740
gagggcacac	gggactctag	cctcatcccc	agaaccccct	tggtctagag	tgtggtgcta	1800
gaaactggtc	cccagcccag	ccccagtact	gccaccttta	cacctacccc	tgcaagtccc	1860
cagagggctg	cccacgatag	aagctgccaa	gcagggagaa	cctgtgccaa	ctgtggagtg	1920
gggaggttgg	gcctggaccc	tcaaccccctg	caaccttccc	tagccccctc	aatagatgag	1980
caggtcaggc	tgtggccctt	acctcacccg	cagttctcgc	ccagtgcctg	agccggctca	2040
cctctctccg	cttcttgcac	atcactggcc	tgtgtgtgct	gcttgctcct	gttctgttcg	2100
cttgctcccc	ttccgttcgg	cttttgcttt	gcgttagggg	gaagacccta	gcgtccagct	2160
cccctcaacg	ctatattttg	acactaaaaa	agaaggtttc	taaattgtag	gagcaggatg	2220
gaaatacttt	gctgcccttg	ccatctttta	ggatgggccc	ccaggagact	gaggtcttcc	2280
tgggcccctca	ttgctgctta	tcgtaccccc	catcacctgc	acatgggaca	gaccgggctg	2340
gagggtgacc	ttggctgtgt	acgtcccagc	aaaagagctc	tggtccgcct	ctcgctgtgc	2400
cctgaagggg	gatgaagggc	gatgcctcgc	ccgaggtctt	gggctgctgc	actgcatgct	2460
gggactgctc	ctactctctg	tcccacccct	caccagctg	tggtccggct	ttgggagagt	2520
ggtgaattgc	gctgcccga	ctcggagcgg	agcagggtag	ggaccgtgta	cagcttgata	2580
acccttaata	aaaagggagt	ttgaccgaaa	aaaaaaa			2617

<210> 4350

<211> 382

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(251)

<223> similar to gi387048 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4350

tatatatgta	atgaactaag	tcagcctgta	acgttccctg	tcagagcagc	attagtcagg	60
cagtcttggt	ctcagttact	ttggctgtta	aagaaatcaa	acaggtacag	cctgactatt	120
tggactggaa	aaaatgataa	ctattccggt	gaagatttac	tttacattag	agaccatttt	180

gacaaaaaac	aagtttttcta	tgacatcttg	gaaccacaaa	accatgaatt	taaacaagcc	240
attggaatca	aagttaatct	ctaagaagaa	gattctcaat	tatttcctgt	gttttggttt	300
cataatcctt	ctctccattg	gtctgaatta	attaccatat	aaattatggt	tattgattga	360
cgttccaagt	catctaataca	aa				382

```

<210> 4351
<211> 1790
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (145)...(1362)
<223> similar to gil754515 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 4351						
tgatccgatc	ttgcactccg	tcaactgtggc	tgactgcatt	gtcacattca	cttggcggag	60
gccaatttcc	tacaggtgct	ttcaggatca	ggtcactgcg	atggtctcta	aacaccattc	120
tgctttctct	gctctcttgt	ctttaggagc	cgggtgtggg	ctgagccctg	cctgattgat	180
gctgccaagg	aggagtacaa	cggggtgata	gaagaatttt	tggaacagg	agagaagctt	240
tttggacctt	atgtttgggg	aaggatgac	ttgctcttca	tgccaccgtc	ctttccattt	300
ggaggaaatg	agaacccttg	tctgacctt	gtcacccctt	gcctgctagc	tggggaccgc	360
tccttggcag	atgtcatcat	ccatgagatc	tcccacagtt	ggtttgggaa	cctggtcacc	420
aacgccaact	ggggtgaatt	ctggctcaat	gaaggtttca	ccatgtacgc	ccagaggagg	480
atctccacca	tcctcttttg	cgctgcgtac	acctgcttgg	aggctgcaac	ggggcgggct	540
ctgctgcgtc	aacacatgga	catcactgga	gaggaaaacc	cactcaacaa	gctccgcgtg	600
aagattgaac	caggcggtga	cccggacgac	acctataatg	agacccccta	cgagaaaggt	660
ttctgctttg	tctcatacct	ggcccacttg	gtgggtgac	aggatcagtt	tgacagtttt	720
ctcaaggcct	atgtgcatga	attcaaattc	cgaagcatct	tagccgatga	ctttctggac	780
ttctacttgg	aataatttccc	tgagcttaag	aaaaagagag	tggatatcat	tccagggtttt	840
gagtttgatc	gatggctgaa	tacccccggc	tggcccccg	acctccctga	tctctcccct	900
ggggactcac	tcatgaagcc	tgctgaagag	ctagcccaac	tgtgggcagc	cgaggagctg	960
gacatgaagg	ccattgaagc	cgtggccatc	tctccctgga	agacctacca	gctggtctac	1020
ttcctggata	agatcctcca	gaaatccccct	ctccctcctg	ggaatgtgaa	aaaacttgga	1080
gacacatacc	caagtatctc	aaatgcccgg	aatgcagagc	tccggctgcg	atggggccaa	1140
atcgtcctta	agaacgacca	ccaggaagat	ttctggaaaag	tgaaggagtt	cctgcataac	1200
caggggaagc	agaagtatac	acttccgctg	taccacgcaa	tgatgggtgg	cagtgaagtg	1260
gcccagaccc	tcgccaagga	gacttttgca	tccaccgcct	cccagctcca	cagcaatggt	1320
gtcaactatg	tccagcatg	cgtggcacc	aagggcagtt	agaggctcgt	gtgcatggcc	1380
cctgcctctt	caggctctcc	aggctttcag	aataattggt	tgttcccaaa	ttcctgttcc	1440
ctgatcaact	tcctggagtt	tatatcccc	caggataatc	tattctctag	cttaggtatc	1500
tgtgactctt	gggcctctgc	tctggtggga	acttacttct	ctatagccca	ctgagccccg	1560
agacagagaa	cctgccca	gctctccccg	ctacaggctg	caggcactgc	agggcagcgg	1620
gtattctcct	ccccacctaa	gtctctggga	agaagtggag	aggactgatg	ctcttctttt	1680
ttctctttct	gtcctttttc	ttgctgattt	tatgcaaagg	gctggcattc	tgattgttct	1740
tttttcaggt	ttaatcctta	ttttaataaa	gttttcaagc	aaaaaaaaaa		1790

001210"01100

<210> 4352
 <211> 900
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(901)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (13)...(169)
 <223> similar to gi3885834 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4352

cccacgcgctc	cgggtgagtggt	tgaaggagaa	catcatgaaa	aagctgtaga	actgctgaaa	60
gccgcacaag	gaaagggttaa	attagtggtta	cgatacacac	ccaaagtctt	agaagaaatg	120
gagtcgcgct	ttgaaaaaat	gagatcagca	aaacgcaggc	aacagacctt	atacatttca	180
aaacttgata	tttcattttg	cgtttttagct	agagaagttt	tccttggtgac	ttactaatgg	240
ctgcaatgcc	aatgattgta	agaaaacaaa	caaatttatc	atgaaattct	ccttggtcatt	300
ttataaatgc	ctatttttaac	atcattttatg	gttccagaga	tgcatatact	tttttctgac	360
aagaaaaagt	aaaagggtgat	gagggcaatt	ctgtcctact	gtttttacag	gcctttttca	420
aatgcaaat	ttgtcataaa	gttggttatag	attttttaaa	atgctttttt	aatattaaaa	480
tgtactttta	cattcttaat	cttttttttag	aaaggaaaag	ttttcttcat	ttagctgctg	540
atttaaaagt	aaagttctcc	aattcttttt	ttttgcttac	tctatttttt	ttaacctgtg	600
aaattttctt	acagttttcc	aagaaattaa	gcataacagt	ctcatctacg	gcagttcatt	660
acactgtcaa	tgtaaacatc	attgctgcat	tttgactttt	gaacacacac	ataatatata	720
taaccagtgg	taaatcatga	ctcagtacag	tgcaagtttt	ttcactttta	cttaaacata	780
atatataatg	gatattcatt	tatactgatt	tatgaaagta	agtttttaaa	cactgaaaca	840
atcattgcta	aaatacatat	tcttaatat	tgagcattga	ggnnagagga	tgnaattgat	900

<210> 4353
 <211> 367
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (12)...(340)
 <223> similar to gill136412 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4353

tttttttttt	tgaatttttac	agtatcactt	cattaataaaa	acttgtaaag	gacaaaatta	60
gagaacaaga	gagcaaaaaca	tcacaggtgc	ccatgaagca	tgtgtaccac	gtgcttcagt	120
gtcaggagga	ggaactcaca	caggtggtgt	ccaccatgtc	cgacagctgg	aagtttgaac	180
aactgggtcag	caatggctct	tcttacaact	atgggaatga	agatcaggcc	aagttcctct	240
atgtggtgtc	caagaaaactt	cacaacaccc	catacagtat	ggccagtga	cccagaaaga	300
aggccaagat	tttgcaagaa	caaggttcaa	ggatgtgagg	gacacagtat	tgacagctga	360
aaaaatg						367

<210> 4354
 <211> 1293
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1294)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (148)...(877)
 <223> similar to gi3786496 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4354						
tgcgcaagcg	ggagttccgg	ctggagaccc	gtgctctggg	ccggcgccctt	caccatggcc	60
tcggcagagc	tggactacac	catcgagatc	ccggatcagc	cctgctggag	ccagaagaac	120
agccccagcc	caggtgggaa	ggaggcagaa	actcggcagc	ctgtggtgat	tctcttgggc	180
tggggtggct	gcaaggacaa	gaaccttgcc	aagtacagt	ccatctacca	caaaaggggc	240
tgcacgttaa	tccgatacac	agccccgtgg	cacatggtct	tcttctccga	gtcactgggt	300
atcccttcac	ttcgtgtttt	ggcccagaag	ctgctcgagc	tgctctttga	ttatgagatt	360
gagaaggagc	ccctgctctt	ccatgtcttc	agcaacggtg	gcgtcatgct	gtaccgctac	420
gtgctggagc	tcctgcagac	ccgtcgcttc	tgccgcctgc	gtgtggtggg	caccatcttt	480
gacagcgctc	ctggtgacag	caacctggta	ggggctctgc	gggcccctggc	agccatcctg	540
gagcgccggg	ccgccatgct	gcgcctgttg	ctgctgggtg	cctttgccct	ggtggctcgtc	600
ctgttccacg	tcctgcttgc	tcccatcaca	gccctcttcc	acacccactt	ctatgacagg	660
ctacaggacg	cgggctctcg	ctggcccag	ctctacctct	actcgagggc	tgacgaagta	720
gtcctggcca	gagacataga	acgcatggtg	gaggcacgcc	tggcacgccg	ggtcctggcg	780
cgttctgtgg	atttcgtgtc	atctgcacac	gtcagccacc	tccgtgacta	ccctacttac	840
tacacaagcc	tctgtgtcga	cttcatgcgc	aaactgggtc	cgctgctgaa	ggccattgct	900
ccatctcacc	tctgtctcca	gaaaataaat	gccctgaaac	cctcccccca	naacctgcaa	960
tctgtcgggc	actcttctcg	ttcaactccc	tgtagccctt	tgggactttg	cggctccccta	1020
agtagaaaat	tcctatgggc	ctgtctcctg	ggggcctctg	tctgctgggtg	gtctgcttac	1080
cacagaatcc	taaggggcag	gagtgcctgg	gcatgtgtct	gtgggagcct	tgcagtcagt	1140
tgtgtttgga	caagtgcac	agtcaggctg	ctgattcctg	tggcatgcag	gctgtagagg	1200
ttgacaaatg	gaggggggtg	ttgagggtga	gccctagttg	atTTTTTaaa	atttaaactc	1260
tggtagaagc	atttaatatg	aaaaaaaaaa	aaa			1293


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gcttcacttt gtcagcgacc tgtctcgggg tgcagatgtg tctccacatg ccgaggagtt 720
tgcagaacat gctgtagggc cccatcttgg ccaccttctt gagtttccca tagaccgaga 780
gctccgcata tgtcatcccc atatcttctt cgtcgggtctg ggacacctgt ccatcagcca 840
agggtccag ctctgcgggtg gccggcgcca acaggatgct ctgcagggca ggaagctgga 900
agcgctggat gcagaactgg acgaaggccc tgagggtccgt cttgctgatc ccgcctatgg 960
ggttgatgtc cgcactggag cagtcgtact tggtcaggta gcccaggaga ctctcatcca 1020
cgttggcgga tcccagcacg aggagccac cgtggacacc ccgagaccag aggctcaact 1080
gagcaaacag ataggcgagg accatccgta ttcgagcctg cacattttgc agcgccagg 1140
tttccctgct gcttccctca tgagctgcaa acagagggtt cttccccgtc accaggctga 1200
agatgcccac gacggccttc acggctggat cgatgttgag actgatgtgg tggcttccaa 1260
tctgctgggc caactctctg gcccggtgac acgtctcctg ggaggagttc ttgctggcca 1320
tgtagcagggt ggtcagtatg cgtccacaga ggtctcgggg atcctggggg gtgtagctga 1380
tctgggtcac gatggtgcgg acatcagcca gcacttctc atttccactc ctcacggcct 1440
cgcagacctg gcagcacatg gagtagatga ggaggcgggt ggctgcgctg tccacccgc 1500
cactcaaggg cagcaaaaac cctgcctggt gacttcgtct taaaaaatcc cagagccagc 1560
aggcagggtcc aaggcttctc tcctcctcag ggctgtggta tttccactcg atgggctcag 1620
agatgggtgc cagcaagtcc tcgtggcacg agagggcaaa gtccaccttc actctgggg 1680
aggggctcgc cctgctggct tgaatctacg aggcagagggt tgtgctgagc tgggattgag 1740
ccattgtact ccagcctatg gtagttcaca gcaagggtga aactccgtct caaaaaacaa 1800
acaaaaaacc                                     1810

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```

<210> 4357
<211> 1216
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1217)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (3)...(808)
<223> similar to gi2828262 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

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```

<400> 4357
gctctgtgta tcacatcaat cacgggaacc ccttcaacat ggagggtgctg gtggattcct 60
ggcctgaata tcagatgggtt attatccggc ctcaaaagca ggagatgact gatgacatgg 120
attcatcac aaacgtatat cgtatgttct ccaaagagcc tcaaaaatca gaagaagttt 180
tgaaaaattg tgagatcgta aactggaac agagactcca aatccaagggt cttcaagaaa 240
gtttagggtga ggggataaga gtggctacat tttcaaagtc agtgaaagta gagcattcga 300
gagcactcct cttggttacg gaagatatcc tgaagctcaa tgcctccagt aaaagcaagc 360
ttggaagctg ggctgagaca ggccaccag atgatgaatt tgaaagtga actcccaact 420
ttaagtatgc ccagctggat gtctcttatt ctgggctgggt aaatgacaac tgggaagcgag 480
ggaagaatga gaggagcctg cattacatca agcgctgcat agaagacctg ccagcagcct 540
gtatgctcgg cccagaggga gtcccgtct catgggtaac catggaccct tcttgtgaag 600
taggaatggc ctacagcatg gaaaaatacc gaaggacagg caacatggca cgagtgatgg 660
tgcgatacat gaaatatctg cgtcagaaga atattccatt ttacatctct gtgttggaag 720

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```

aaaatgaaga ctccgcgaga tttgtggggc agtttggttt ctttgaggcc tcctgtgagt 780
ggcaccaatg gacttgctac ccacagaatc tagttccatt ttagacaatg aagctgctta 840
gtaatctctg ccaagccatc tcttaatat aaagcagaca ccacagaata gatttcttca 900
cttacaaatg catattgggc acttataata cagcaggaac tcttctcacc tggagccttg 960
atgttaaaaag acacagccat gctcttgagg agcttacaat cctggctgga ggcaggggag 1020
ggtatatctt ttaaatatgc ttaagtgtta tagggaaaga cgggggttacc agtacacatg 1080
taactagaaa gccaggtca gttcttacct ctgggaatca gaactcttta tgcaacttgg 1140
ttaatagaat ctactatctg gaagataaag aaggattgta atataannna ggggnntcga 1200
tgcaaggagag gcccca 1216

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```

<210> 4358
<211> 1095
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(799)
<223> similar to gi4159888 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4358
cgaaaacatg agagaactca cactggagag aagccatatg gatgtcatct atgtgggaaa 60
gccttcagta aaagttctaa ccttagacga catgagatga ttcacactag agaaaaagca 120
cagatatgcc atctatgttg gaaagccttc actcattgct ctgaccttag aaaacatgag 180
agaactcact taggagataa accatatgga tgtctcctat gtgggaaggc tttcagtaaa 240
tgttcttacc ttagacaaca tgaaagaact cacaatggag agaaaccata tgaatgtcat 300
ctatgtggaa aagccttctc tcattgttct caccttagac aacatgagcg aagtccaat 360
ggagagaaac cacatggatg tcatctatgt gggaaagcat tcaactgaatc ttctgtgctt 420
aaacgacatg agagaattca cactggagag aaaccatatg agtgccatgt atgtgggaaa 480
gccttcactg aatcttctga cctcagacga catgagagaa ctacactgg agaaaaacca 540
tatgaatgcc atctatgcgg aaaagccttc aatcactctt ctgtccttag acgacatgag 600
agaactcaca ctggagagaa accatatgaa tgcaatatat gtggtaaagc cttcaataga 660
agttacaact ttagacttca tagaagagtt cacactggag agaaaccata tgtatgtcct 720
ctatgtggga aagccttttag taaatTTTTT aaccttagac aacatgagag aactcacact 780
aaaaaagcaa tgaatatgta agaatcatca gctgtagcgt taacactaaa tacaccaagg 840
acaaacatac tacaggaata ttatgtctgt aatcagtgtg gaaaagcctt tatttatatt 900
taccactttg ctcaacctaa atgaattcaa ggtagagaga atccagatgt atttaattgtt 960
tatggcacia acttcagact ctaggctgac catatacaac gtgagagaat gaaactatag 1020
atcaaaggaa tgtggaggag tcttcatcca cagctctgtt aaataaatgg gagaaatccc 1080
atccccaaaa aaaaa 1095

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```

<210> 4359
<211> 962
<212> DNA
<213> Homo sapiens

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<220>
 <221> misc_feature
 <222> (743)...(823)
 <223> similar to gi3851654 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4359
 acttatgaaa gaccattgta attctagctt tttctgttgt gtccatgttc tttttccttt 60
 acaaatctac cctgatgttt tgtattgatt actttgccct ttgatgtcat tcatcaaata 120
 ctttggtggt attcattcta cttttgtggc tctgcatatg atctgcagtg cttactttta 180
 attaagttgg cagttaggta tcaatggtgg aaattagggtg tttatgttcc ataacataaa 240
 cattatcata acattactaa gacttaatgt tttagtaatt agattgtcag tctacctatg 300
 taactgtttc cttagagaaa atcaggatag aagacagata aaatactagt tacctaaaaa 360
 tttaaataaa tctattgtta ggattttctg gtaacaaatt acttgggtat ttattttctgt 420
 aagaaaagtt tgggaaggctt tccacagcat ttgctgtatt tcttgaaggc agaagaaaaa 480
 gtaagtacca tgctaacaat gtaaatttgt aaggcccttc ataaatttgc acaatgcctt 540
 cttacttgct caagacactt gtgatgtatt aattgctctt attcatattt acgaatcagg 600
 agtataagac ccaaagaaat agccaagagc acagaggctg gaactgagct ttttctgaaa 660
 caagaaagct gtctgaggat tctccaatg ctttagaacc tggtaatttt attaatattga 720
 tgtttttaaa aatatgttta tacagatgct tgcattgggc aatcaagttg gcaaacttta 780
 tgtttggtat ttagaagtag aagatcctca taaagccaag taagtattta gaaatttctg 840
 ttcaaaattt caggcttttt ctccacactt gtatgccaat gtagagaaga tcatttatat 900
 ttgcagtgcc atccttaagt catttttaac atttactgtt ttcagagata aagttattct 960
 tt 962

<210> 4360
 <211> 1952
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (13)...(309)
 <223> similar to gi4927194 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4360
 cggacgcgtg gggaagaaac ctatgcaaatt tttataaagc acaatgatgg caaaaatatc 60
 ttctatgctg ctctgacccc agccacactg tttgcggtca tgtttgctat gtatataatc 120
 tcaggactga ctggcttcat tggcctaaac tctatagctg tcttgtgtaa ccttgtcatg 180
 gggttagcac tgatatttct ttgtacttgg gcatatgtta aatactctgg ggagttcaga 240
 gaaattggaa cagtgattga tcagattgct gaaacactat gggaacaggt attgaagccc 300
 ctgggtgata atttgatgga ggaaaacata aggcagtctg taacaaactc tatcaaagca 360
 ggcctgactg accaggtgtc tcatcatgcc agattaaaga cagactgaca gttcatctcc 420
 tcacggactc cactctcttt ttttttcatg cttgctgtac aatgagaact caaataaaaa 480
 taaaccaaag tttacaatca actgtagaag tagtttagtg taactggctt cacagatggc 540

tgccacagag	tgtgaagatt	gtttgttagt	ttaaagcatt	cttttaatgg	ctcctaagac	600
atgcagatgg	actgaggagc	attgggtaaat	catgcacctt	tgtgccatgt	ttaactcttt	660
tatttctttt	tacttaaatct	aatgttagtg	aatttgtctt	atgtaaaagg	atatttcagg	720
gaaatatttt	cagaaatcta	tttagagtct	ctttaacaca	gtgtcccatt	gaaattttta	780
tttttagaga	atttatgaat	cactgtttca	agaaccagat	tggaaagaca	atgaagcctt	840
tattgagcca	ctacattaaa	agtatatatt	gctttactgc	cttcaatacc	agtattacat	900
aaatgcatgt	atcagaaact	tcacagaaat	tacatggcaa	ctcttgtagc	taagaaagta	960
attctgaggt	gtacatttgt	cttgcccttt	taaattttata	aacttgccct	aaaaggagat	1020
gcatactctg	gaaactgaac	tgtctttttg	cagtttagcc	ttcatgtata	taaaatatgc	1080
cattaatttt	attggggaag	aaattccatc	caaaaatggt	gcctacagct	atgagttaag	1140
agtgtctgta	cagtgtgtag	cttttatttt	ctaaaatcac	agatagggca	tgtatatgac	1200
ttataaatat	ataaatacga	ttttgtatta	aaagttttgt	agtttatggc	aaaatctggt	1260
cctgtggtag	gctaaataag	tactgtccct	gtgaaaggaa	tgtttgtggc	tcatgtcagt	1320
gtgtgaatgc	atagacaatt	tgaagttttt	gatataattg	tgataattat	cttgagcact	1380
gcaatctcac	ccccccccc	cccaccaagg	gaattcaatg	ggaatgttta	ttgtgacttt	1440
gtcctctgtt	gcatttttaa	gttatttcct	gtaatttatt	ttcagtacat	aattaaaaat	1500
ttgttgata	tataaaatga	aacttgtgat	tcttttttaa	ggaatttttc	aagtatgtat	1560
tccacttcat	aaaccacatt	tgtttatagt	gaaaagagca	tgagcaggaa	acaccccagt	1620
tgagagctct	aaggcattgt	acctcaaaac	taagcttgta	aaaagttact	tttctgtgtc	1680
tgtctctata	agggaaaacc	tatgattagc	ctagttgtag	atggggattg	ttaatttctt	1740
tctctctctt	tttttttttt	tggggggata	tgaaagggta	acattttttc	aaaacttttg	1800
gggccttttt	tgggaacccc	gataaaggcc	ctagtttttg	tgggtttttt	tttgaaaagg	1860
gatttttttt	ttgcccccc	ggtggaagg	cggggggg	atcttggttt	aatggaaccc	1920
cccccttcgg	ggttaaagg	aatttcccc	cc			1952

<210> 4361

<211> 928

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (917)...(271)

<223> similar to gi200407 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4361

ccaccactcc	tggggggcat	ccaccattaa	aactcacatt	tcctaagag	tcagtcacac	60
actgaaggaa	tgccttttgt	attcgggccc	ttatttgac	cctttaagtt	tatcctctct	120
gttataacat	agacaagaaa	gagggagaat	agatcagggc	ccaaattgag	ccactgacgc	180
ccagggtttt	tctatttggt	gtgcttgaag	acagtaccaa	tgaaaatgtg	caaggagaca	240
gctgaacacc	aaagactact	tcctaaatca	aatgggtgtt	ttgatggcat	aaaagatgcg	300
ctttctgacg	gaagctcttg	ttacattttac	tacagtggaa	agggttttct	cctgtatgcg	360
ttctctgggt	tgtgaggaaa	tgggaacgct	gattgaaggt	cttgccacac	tcaggacatc	420
gatagggcct	gtctcctaag	tggattcgct	gatgggtaat	aaagtgggag	ctctgattga	480
agctcttccc	acactctcca	catttgtagg	gtctttctcc	ggtgtggatt	cgttggtgct	540
taatgagggc	ggagctgtcg	gcgaatcctt	tcccacagtt	ttcgacttta	aaaggtctct	600
cacctgtgtg	tgttcttttg	tgcgtgacca	aatgtgagct	ctgactgaag	cttttgtggc	660
agtcaggaca	actgaaaggc	ctctctcctg	aatgagtgtc	catgtgagct	acaaaatgag	720
aactatctct	gaagcccttc	ccgcactccg	ggcatttgaa	gggccgttct	cccgtgtggg	780

ttcgttggtg	cttaatcaaa	tccgagctct	ggctaaaact	ctccccacag	tcattacacc	840
tgtaaggctt	caccctgtg	tgggtcctct	ggtgagtgat	gaaatttgag	cttcgactga	900
agctttttgtg	acattccag	cccgcctt				928

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<210> 4362
<211> 737
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(173)
<223> similar to gil57535 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 4362						
atggagatag	ttgtgctgtg	tgcattgaat	tgtataaacc	aaatgatttg	gtacgcatct	60
taacgtgcaa	ccatattttc	cataagacat	gtgttgaccc	atggctgtta	gaacacagga	120
cttgcccat	gtgcaaagt	gacatactca	aagctttggg	aattgaggtg	gatgttgaag	180
atggatcagt	gtctttacaa	gtccctgtat	ccaatgaaat	atttaatagt	gcctcctccc	240
atgaagagga	taatcgagc	gagaccgcat	catctggata	tgcttcagta	caggaacat	300
atgaaccgcc	tctggaggaa	cacgtgcagt	caacaaatga	aagtctacag	ctggtaaacc	360
atgaagcaaa	ttctgtggca	gtggatgtta	ttcctcatgt	tgacaacca	acctttgaag	420
aagacgaaac	tcctaataca	gagactgctg	ttcgagaaat	taaatcttaa	aatctgtgta	480
aatagaaaac	ttgaaccatt	agtaataaca	gaactgcca	tcagggccta	gtttctatta	540
ataaattgga	taaatttaat	aaaataagag	tgatactgaa	agtgtctaga	tgactaatat	600
tatgctatag	ttaaatggct	taaaatat	aacctgttaa	cttttttcca	caaactcatt	660
ataatatttt	tcataggcaa	gtttcctctc	agtagtgata	accacatttt	tagacaattc	720
aaaactgtcc	ttcaaga					737

```

<210> 4363
<211> 663
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (665)...(269)
<223> similar to gil732423 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 4363						
tttttttttt	ttctataaca	acatctctta	ctattttttac	ttgaaaaaat	gttttgcgta	60

gatgagctct	aagaaaaaac	ttacaaaaaa	gactgaaagt	caaagccaaa	aacgttcatt	1620
gcactcagta	tcagaagaac	gcacagatga	aatgacacat	aaagaaacaa	atgagcagga	1680
agaaaagattg	ctcgccacag	cttccttcac	taaatcatcc	cgcagcagca	ggactcggtc	1740
tagcaaggcc	atcttggtgc	cggacctttc	tgaaccaaac	aatgagcctt	tattttctcc	1800
agcgtcagaa	gttccaagga	aagcaaaagc	taaaaaaata	gaggttcctg	cacagctgaa	1860
agaattagtt	tcggttttat	cttctcagtt	tgtcatctca	cctcctgctt	taaggagcag	1920
acaaaaaaac	acatccaata	agaacaagct	tgaagatgaa	ctgaaagatg	atgcacaatc	1980
agtagaaact	ctgggaaaagc	caaaaagcgaa	acgaatcagg	acgtcaaaaa	caaaaacaagc	2040
aagcaaaaaac	acagaaaaaag	aaagtgcctg	gtcacctcct	cccatagaaa	ttcggctgat	2100
ttcccccttg	gctagcccag	ctgacggagt	caagagcaaa	ccaagaaaaa	ctacagaagt	2160
gacaggaaca	ggtcttgga	ggaacagaaa	gaaactgtct	tcctatccaa	agcaaatctt	2220
acgcagaaaa	atgctgtaat	ttcttgggaa	gattttaatg	tacacctatt	tgtaaaagtca	2280
tcagaatagt	gtggattatt	aaatatctag	tttggaaagaa	aataatttat	ataaattatt	2340
gtaaatctttt	atgtaaacag	aaggtcttca	ataagttaaag	taactccata	tggagtgaatt	2400
gtttcagtc	aggcaatttt	tctattttat	attaagactt	catacattta	tatatgtaaa	2460
tatggcttat	taatggaatg	ttaataaaaa	tgtatacttc	acagtcggtt	gtgtcttgga	2520
tttttgaaaag	ggaggggata	tctgttttaa	tagttttata	tgctcattgg	tctcattttc	2580
tctataatta	aaataactaga	ccagtcttaa	aatggggatg	attgaagtat	tgatatttct	2640
ttttacagtt	actattttat	aatttatgca	ctttgattct	gtgattcaga	tttctaataca	2700
gaaaatgtat	ttttttgtt	tttggctgtt	actatgttaa	aattgaatta	tgggcatgtc	2760
attttgccat	ctttgtagtt	tcacaaaattt	tgtgtaatct	acctcaaattg	aataatccaa	2820
gtattggtta	aaaaaaaaa					2839

<210> 4365

<211> 1125

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (51)...(396)

<223> similar to gi4038594 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4365

attttgcaag	gcagatccag	cgccgggttca	aagacactat	tataaatgcc	aagtatggag	60
ggcacacaga	ggcagtagc	cggtctgttg	gtcagctccc	catcagtgct	cagtcttaca	120
gcggtagccc	ctatctggat	ttgtctctct	tcagttatga	tgacaagtgg	gtatctgtca	180
tggagcggcc	caagacttgt	ggagatcacc	caatcaggtt	ctatgcccgg	gactcgggcc	240
tgctcaagtt	tgagatccag	gcgggggttat	tgggcccgcc	catcaaccac	acagtgcgac	300
gccttggtgc	cttcaccttt	cacctttttg	agcctttcgc	tatttctgtg	cagaggacta	360
atgctgagta	tgttgtcaac	ttccatatgc	gacactgctg	cacgtagggtg	cctcaccaga	420
gccagattat	ctggtcttcc	aagactttgc	cactcactta	tctcagtggg	ctccaaagca	480
aaagctcccg	actactagct	ctgttagttc	cagcctgcta	tacctcagat	gggagagagc	540
cagagagagg	agtgagggtg	gctcaacctta	atggaatttt	taaattgtat	acaatactgc	600
tactgattgt	tataatatcc	tcttgcgttt	tccctgtggg	aatgcccagc	attaattaag	660
tccatttcat	ttttgcttta	ctttgcattt	gattgctgtg	aagatgaaag	cattagactt	720
ttatcccctt	catgtcactt	cttcggcatt	atgggtttgca	tctgaaagca	gttaaatctt	780
gtttactgat	gagaatgaca	tacatccttt	ccatttagct	cataagcacg	gctatctttt	840
taagagaaaa	ataaagccat	ggtattttta	tacttaaata	tatgtggttg	gatgactgct	900

ttatgttcct	atcatactca	atgctttcaa	gtacttgggt	tccaggaagg	actgtgaaag	960
agatgagagg	ccatggatgc	agcagctggt	cctgggagaa	ctaagtggga	cagtggagac	1020
agatgaagga	agggcagaaa	aagaaaaata	tactgtggaa	gagcactgga	gttggatcaa	1080
tgggaatgtg	ttgtatgacc	aagagttgaa	gatgtttcaa	ggaga		1125

<210> 4366
 <211> 1939
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (28)...(542)
 <223> similar to gi2394453 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4366						
cggacgcgtg	ggcggacgcg	tgggctgggt	attaaaaagt	gggcaagtca	ccatcagata	60
aatgatgcca	gtcgggggtac	tttaagcagc	tatagtcttg	tattgatggg	tttgactat	120
ttacaaacc	tacctgaacc	catccttcca	tccctccaaa	aaatttaccc	agagtctttt	180
agtcttgcta	tacagctgca	ccttgtagat	caagctccat	gtaatgttcc	tccttacctc	240
tcaaagaatg	aatcaaacct	tggggacctc	ttactgggct	ttcttaaata	ttatgtaca	300
gaatttgact	ggaatagtca	aatgatttca	gttcgtgaag	ccaaagccat	tccaaggcct	360
gatggtattg	aatggagaaa	taaatacatc	tgtgtagaag	aaccttttga	tggaacaaat	420
acagccagag	cagtgcacga	aaagcagaaa	tttgatatga	tcaaggatca	atttttaaag	480
tcatggcaca	gattgaaaaa	caagagagat	ttgaacagta	tactacctgt	aagagctgct	540
gtcctgaaaa	gataactggg	cctctatttc	ttaattaaat	tcttcccagg	aaataaagga	600
acaatagttt	cattcataat	tacattgtgt	ttacctccat	cataggttgc	ttttttcata	660
gttcttgttt	tcatgtttta	tttttaaaaa	gacatataaa	gattgcata	tttattatga	720
catttcctaa	taaacccctt	tgatttataa	atgtattttt	aaaaatgttt	acattgatga	780
tgagtaatat	tgcatgtgtt	ttcaggtgat	cagataaaat	atattttggg	aaattaactg	840
aacaaataaa	aagtttttga	tataacttca	attaattgta	ccacatgcta	atcctgaaga	900
gatgtgtaga	attttggaag	gggtctaatt	catacatgct	taaagtataa	cctacgttag	960
atagtttggt	gtcaaagtct	gttctagtaa	agtgaagatt	caagtcagtt	gttcagttac	1020
ttgaagcaaa	acgaaatctt	tcatttcagt	caaatcactg	cagtcatgaa	atactgaaca	1080
attgccttaa	gtctttgctt	gactcactgg	gatagactga	ggctttgggt	gtgtctgtat	1140
tagcatttca	ttagtacttc	acatgctttt	gatgtactct	tgagattgct	ttaaattttg	1200
tattgaaaca	acaatacatt	ttgcaactga	gtaatgggag	cactaactct	tacaacagtt	1260
agtgaatcgt	tttaaagaat	cagttcagtg	tagacatttt	gaaaagattg	tttctgtgct	1320
tttacgatag	cttagtgcaa	tgtgcacttc	tgttttactt	gccattttcc	tgctctgttt	1380
tctctgtgac	atgaagcaac	agaaactgag	atcaaagtta	agattatata	ctggttgtag	1440
tatcagatat	ttttctgtgt	acaattatag	gattgtaatc	taaactggaa	tttttaggca	1500
gtaagtcacc	acaaaatggt	ttagataaga	cacaataaaa	ttattataaa	taaaagctta	1560
atgtttgtaa	aaaatctctt	tttttagtatt	tcttttttca	catgaaagaa	gtggtggctg	1620
ctaaaaaaa	agctacagtg	tttattaagg	gtctttttga	tttatgtaaa	tatttgtaaa	1680
ttggtcagtg	cctgtaaatt	taaatataaa	aagtaacctt	gaaaacagtt	ttactttttt	1740
caaaagaact	atgtccaaca	tttttttagac	ctgctgtagt	acagttttgt	acctctaacg	1800
tatttttttt	ttgcagacca	aatgttataa	cttttgcttt	tctttgactt	gtaaaagggtg	1860
cacattttca	ttttcttcct	taagttcaaa	tttttgtagt	atgtcaaagt	caataaaatt	1920
tatatatgga	aaaaaaaa					1939

<210> 4367
 <211> 1468
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(845)
 <223> similar to gi3881475 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4367
 cccacgcgctc cgcggacgcg tgggttctca tctgtatcaa cggaacatt tgttccaaaa 60
 caagacttgc cacaggtgaa gagaccacta aaagcatcca ggaccagaca gccatccagg 120
 accaaccttc cagttctgtc tgtgaacgag gacctaatgc actgcacagc atttgcaacg 180
 gcagatgagt atcatctggg aaatctgtct caagatctgg cctcccacgg atatgttgaa 240
 gtaacaagct tgcctagaga tgcagcaaat attttggtga tgggtgtgga aaattctgca 300
 aaagaagggtg atcctggaac aatattcttc ttcagggaag gagctgctgt gttttggaat 360
 gtgaaagaca aaactatgaa gcatgtgatg aaagttctag aaaaacatga aattcagccc 420
 tatgaaatcg cactggtaca ctgggaaaat gaagaactta actacataaa aatagaggga 480
 cagtcaaaac ttcacagggg ggaaatcaag tttaaattcag agctggattt agatgatgcc 540
 attctagaga agtttgcttt ctccaatgct ctatgccttt ctgtaaaact ggcaatttgg 600
 gaagcatcac tggataaatt tattgaatct attcagtcaa ttcctgaggc tttaaaagct 660
 gggaagaaag tgaaactatc tcatgaagaa gttatgcaga aaatcgggtga actctttgct 720
 ctaaggcacc gtataaactt gagttcagac ttcctgatta ctctgattt ctactgggac 780
 agagaaaacc tggaaggact ttacgataaa acgtgtcaat tccttagcat tggccgaaga 840
 gttaagggtca tgaatgaaaa acttcagcac tgcattggaac taacagatct aatgcggaat 900
 cacctgaatg agaagagggc actccgcttg gagtggatga ttgtcatcct cattaccata 960
 gaggtaatgt ttgagctggg acgagtattt ttctgatcaa gtgataacca aagtgtcact 1020
 gcaagagata ttcaagttct acaatcaaaa attaaatgtt cggcccggcg cgggtgcctca 1080
 tgcctgtaat cccagcactt tcggaggcca agaagggtgg cttgagatga gatcaggagc 1140
 tcaagacaag cctggccaac atggtgaaac cccatctcta ctaaaaatac caaaattagc 1200
 caggtgtgtt ggcacacgcc cgtcatctca gctactcagg aggctgaggc aggagaatct 1260
 cttgaacttg ggaggcggag gttgcagtga gctaagatca caccactgca ctccagccag 1320
 ggcaacagtg agactcagtc tcaaaaataa acaataaaat aaataaataa atgttcacta 1380
 ctgggtgatc atttaatagg tgttttttta atcaagaaat tatctttttc agcccagtat 1440
 atcgtgtgaa aaaaataatg aagaatct 1468

<210> 4368
 <211> 746
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (747)...(319)
 <223> similar to gi4240124 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4368

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<210> 4369
 <211> 3507
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (3)...(2064)
 <223> similar to gi452523 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4369

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<210> 4370

<211> 2521

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(489)

<223> similar to gi4680395 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4370

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gtttgtcaat atttactatg agacaatgga taaaagaaga cgggcactaa ccaggctgta      180
tctggacaag gccaccttaa tatggaatgg aaatgctgtt tcagggctgg atgccctaaa      240
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<210> 4371

<211> 1146

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1143)...(585)

<223> similar to gi5708202 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4371

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aagtgggtgt	gtcacatgtg	tgctagcaat	gtgaaacaaa	tgctattcat	atttctcaat	240
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gccactggat	tgctgcacat	acacagagct	cacctggatc	aaaagtcctt	atgtaagact	1140
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<210> 4372

<211> 747

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(502)

<223> similar to gil653787 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4372

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<210> 4373
 <211> 1912
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1647)...(1151)
 <223> similar to gi4809337 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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atctgtaaac	agcaatactt	cttctgtttt	taaagtgtct	gtgcttgcaa	tatattcatt	1860
agcacctgag	agtggactac	aaatacggcc	cacgcgtccg	cccacgcgtc	cg	1912

<210> 4374

<211> 1740

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (248)...(644)

<223> similar to gi3882281 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4374

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taaaaat	ttttttaaat	cttgGCCaaa	taaatgattg	tttttcaaat	gaatattttt	180
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gcatcgga	accgggtatt	acagttgcag	agtgatggct	gtgacatcgc	agaccttcta	360
tgaggtc	tttgatgatg	gctcctttag	cagagacaca	tttcttgagg	atatcgtgag	420
ccgagact	ctgaagctgg	gcccacctgc	tgagggagaa	gtcgtccaag	tcaagtggcc	480
cgatggcaa	ctctatggag	caaaatat	tggatcaaat	attgcccaca	tgtaccaggt	540
tgagtttg	gatggatccc	agatagcaat	gaagagagag	gacatctaca	ctttagatga	600
agagttacc	aagagagtga	aagctcgatt	ttccacagcc	tctgacatgc	gatttgaaga	660
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actagtga	caccacaaag	gaaaagccac	tgccacagag	gaggcgggtc	cccttgtgcg	1140
gcttaggg	ctgtcaggaa	acacacgggg	acctctctct	ctagctccag	caggtggcac	1200
ctcggtacc	agcgggtagg	gcgataat	atatattttc	cacagtcagg	gaaggactct	1260
cacttatt	tttcaaattg	cagtttttat	aaaacat	taaaacacaa	atggcatgta	1320
tgctaata	gag	gtgctatctg	tatttccctt	gtacagaact	tttacatttt	1380
tgaatat	tattactttt	gattgtgtct	gatgggaact	gagttggttg	cctttgtgaa	1440
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taaagagg	gatctggggc	tgttat	aaacactttt	tttcataata	catattccga	1560
gtagata	ataaaatata	tgtttctttc	attatgtgtt	tgtaaaatta	gagtttaaat	1620
aaatatg	tgatgcatag	ttttgaacta	atgtaacatg	at	ttttaa	1680
cctgaaa	tactagtgtt	taaaaataaa	gattttccatt	ttctccaaaa	aaaaaaaaaa	1740

054637E-03460

<210> 4375
 <211> 4013
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(456)
 <223> similar to gi3219332 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4375

cagacagagc	tgtctctgcg	ggacatcgcc	gccttctgtt	tcctgggcat	cctgtgtagg	60
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cgctatgcct	tcgcccata	cctaacggtt	ctgcagtgtg	ccaccgtcat	tggcttttct	180
tattgggctt	ctgaactcat	cttggcccag	cagcagcagc	ataagaagta	ccatggatcc	240
caggtctatg	tcaccttcgc	cgtttagcttc	tacctgggtg	caggagctgg	tggagcctca	300
atcctggcca	cggcagccaa	cctcctgcgc	cactacccca	cagaggaaga	ggagcaggcg	360
ctggagctgc	tctcagagat	ggaagagAAC	gagccctacc	cggcggaata	tgaggctatc	420
aaccagttcc	agccaccccc	tgtttacaca	ccctaatagcc	agccctgggc	tctcttctct	480
ggcagccctt	ccctcaactc	tgcagctcct	ctcgacacca	gaggagctcc	tttccccagc	540
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ggagttctgt	gcactttact	ctttggactt	ctcctcacgt	gtgccctggg	ttttatgggg	1020
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gtccattcag	acaaagcacc	attaggcacc	atgaaatata	cagtgcgga	caggaccctg	3780
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aagtgggcgg	ccggctcgga	aaagtcctgt	gcccagaagg	gagccagttc	tgacctgagt	3900
gataatgaaa	ggcttcctgg	aggacgcagc	ttgagccaca	cttgatgtgg	gagtgaactg	3960
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<210> 4376

<211> 1617

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1618)...(1012)

<223> similar to gi3130051 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4376

tttttttttt	ttacaaaaga	ttattttatt	aattcaattt	ttgcataaaa	gactgttaaa	60
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tgaaccttat	agaacagatt	gtgtaaagca	gccaggggcca	caggagtga	agaagatgga	180
gacccgccgt	ctgggtcatga	tatgagaggc	ctggacagtg	acctcacgaa	caaaaagaaa	240
tgatcctctt	cagtccaaag	tgtgtttgtg	agactaatga	ctccatgccc	tcacatggcc	300
actcctctta	cagcagacag	cttcaactccg	ctccagcccc	ggtactgcgg	tctgtggtaa	360
tttcatgagg	aatgggatga	gatctagtag	tttttagatcc	aacgcaattc	tggaagggt	420
tggtataaaa	ccaaaactca	atctatgcag	tatttaaaaa	ataattgaga	gttgtgacaa	480
cttcgattct	tttcaggagg	tgctgtctta	agatagaaga	aagggatcaa	gctcttatct	540
tagaaagcac	agacacgttt	agctcagggt	agtgcatttc	aatgctaagt	ggctgctcca	600
tgaaatctaa	gggccgggta	aggggaagag	gcccaggggac	ttcttccttg	tctgacactc	660
tcgggactag	cattctggca	ggtcttacaa	gttataatac	aaaacatca	gataaattct	720

aatcacgact	gtgtagttcc	tccccaaaat	aatttttcctc	ttagaagtaa	aatcaggaaa	780
ggggctgagt	tctgaaaaga	aacatcgggg	ctgtggcccc	aggccctctg	agtgtggacg	840
ctgtcccccg	tgtctccatg	tttactgcct	tatcgtctcc	tttgtatgaa	agtataat	900
acgtaattcg	tccttggaga	atcacagtgg	tgttcaagaa	ccttttgagg	ccatccaagt	960
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gttcctttctc	tgatgtcttg	tgtccttggg	atcaaagcct	ctttcactgg	caccaaataa	1080
tgcccagtg	ggagttcttg	ccatataatc	ctttgcgctg	aacgtttttg	atccaccact	1140
atcttcatat	tcctggatga	gctcctggaa	gcggttataa	ttgatccatg	tccaccattc	1200
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atgccagggc	acgtgggcca	tggtgaagact	gcttgctgaa	ctttctccgc	agtaggtaac	1380
gcccttcact	tcgatgaagt	caggatttcc	caggagacag	agctgcgcgt	aggcctggag	1440
ctcgtccaca	ttccatgctt	tcacgagcgt	cagtctgtag	acagttcgtt	gttgcttgac	1500
tgccaaggct	tttaaactgt	caaggaattg	ctgccagaaa	tccttgaaga	gtgggcggtc	1560
gattttcttc	aggctgtctt	tggtactggc	atccacactg	acatacagct	gagtaac	1617

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<210> 4377
<211> 749
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(247)
<223> similar to gi4929551 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 4377						
cttttacatc	atcatgaagc	tccgcagctc	tgaaaaggtc	ctcccagtc	cgctcttctg	60
catcgtggcc	accgctgtga	tgtgggctgc	cgccctatat	tttttcttcc	agaatctcag	120
cagctgggag	ggaactccgg	ccgaatcccg	ggagaagaac	cgcgagtgca	ttctgctgga	180
tttcttcgat	gaccatgaca	tctggcactt	cctctctgct	actgctctgt	ttttctcatt	240
cttggaattg	ttaacttttg	atgatgacct	tgatgtgggt	cggagagacc	agatccctgt	300
cttctgaacc	tccaacatta	agagagggga	gggagcgatc	aatcttggtg	ctgtttcaca	360
aaaattacag	tgaccacagc	aaagtaacca	ctgccagatg	ctccactcac	cctctgtaga	420
gccaaactctg	cattcacaca	ggaaggagag	gggctgcggg	agatttaaac	ctgcaagaaa	480
ggaggcagaa	ggggagccat	gttttgagga	cagacgcaaa	cctgaggagc	tgagaaacac	540
ttgctccttc	catctgcagc	tttgggagtg	caacagggat	aggcactgca	tccaagtcaa	600
ctcaccatct	tggggtcctt	cccaccctca	cggagacttg	ccagcaatgg	cagaatgctg	660
ctgcacactt	tccttcaagt	gttacccttc	ccagaaaggc	caagctcgtg	gacttcttgg	720
ccaaatactt	gggtagggcc	cgcgttccg				749

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<210> 4378
<211> 926
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (52)...(618)
 <223> similar to gi3283908 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4378

aagggccctg	aagccaccgc	catggtctgt	gtgtgttccc	atccaaactg	cagacagAAC	60
cacatcaaac	ccagccacag	cgcggcacag	acctggtgtg	gaagccccac	tccgcctct	120
gcccccaacc	acaagctcat	ggctatggaa	caaggcaaga	cccttccatc	tgccacggag	180
gatgcaaagg	aagaggggtct	ggaagcccag	atcagccgct	tggcagagct	gattgggagg	240
ctggagagca	aagcactgtg	gttcgacctg	cagcagcgcc	tgctcagatga	agatggcacc	300
aacatgcacc	tgagctgggt	ccggcaggag	atggccgtgt	gccccgagca	actgagcgag	360
tttctggact	ctctgcgcca	gtatctgcgg	gggaccactg	gcgtgaggaa	ctgcttccac	420
atcactgccg	tgaggctctc	agatggcttc	acctttgtca	tctatgagtt	ctgggagaca	480
gaggaggcgt	ggaagaggca	cctgcagagc	cccctgtgta	aggcgttccg	gcacgtcaag	540
gtggacacac	tgagccagcc	tgaggccctc	tccaggatct	tagtgccagc	tgcttggtgc	600
acggtgggac	gggactgaca	gcctcccaga	ggcccgtgga	ggagcccacc	agccccttct	660
tcttgtgaag	gaaatcccct	gtttttttct	agacagacac	tttggtgcag	aagcttcttt	720
tcaatccatc	ctccacaaga	aggtgtttcc	ctgttggttaa	gtgaaggagg	ccgcccctgc	780
ccccacctga	gaaggcagag	cagtgtctgt	gctgccagggt	cctggtgaag	cccaagggtg	840
aagggggcgg	cttcctggag	ccagcacccc	tgcctcctgg	tccctggcctc	tcccctaccc	900
ctcacatggc	cacgcatgac	ccacac				926

<210> 4379
 <211> 602
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (603)...(250)
 <223> similar to gi300372 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4379

ccacgcgtaa	acttggggccc	ctccagggat	cctttaaaac	ggccgcccct	tttttttttt	60
tttagaagtt	tggaccagaa	tatatatttat	ttttctcata	aaagttatac	caaaaatata	120
ttttcttaac	ttaaaaatac	agcttcaaaa	agcaaaattt	gagttggttag	aattcattac	180
acattttata	aacagcagtg	aaaggaagaa	gtcagcagaa	tggattcaat	ttttaaatac	240
acaaatgttc	atttcacaag	cttgactttg	tcctttaata	acttaaagggt	aggggttcttg	300
ctgattttct	tgttaaagat	gaccaggagt	tcctcttcgg	atctgtgatg	ctcatctgtc	360
actgtgtagt	actgagctaa	aacctttttc	cttagctttt	tgatgggttat	ttcattgtct	420
ggggcctggt	tcagaattgc	tttaatatgt	cccttccagt	tgaatttacc	ttttgcagga	480
gcctcatcgt	cttctgggtt	tccgccctca	ggatgctctg	ggagcttcat	ctttttcttc	540
ttagaatctg	tttcaacttt	cgagtgcctc	cgcttcctct	tccctgcgcc	cacgcgtgcc	600

<210> 4380
 <211> 1773
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (6)...(384)
 <223> similar to gi3758794 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4380

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ttcagggcca	ggagctgact	atccgccaga	tctccctgct	gggcttccga	gacctagtct	180
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ttgtccagat	gttgtctatc	ctgcagagtg	ttcacgagcc	cacaggccca	agtgagagtt	300
atttgagct	ggaggagctg	gtgaagcaag	tggtttctcc	tttcctcggc	atcagcgggg	360
accgtagctt	ctcaggcccc	acgtacacgc	tggccaggcg	gcactccagg	gtccggccca	420
aggtgactgt	cctgaactat	gcctccccga	taaccgcagt	cagccggcca	ctgaatgaga	480
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tgcggcgcca	cacggtggcc	aatgccact	cggacatcca	gctgctggcc	atggccacca	600
tgatgcactc	gggcctgggg	gaggaggcca	gcagtgagaa	caagtgcctg	ctcctgccac	660
ccagcttccc	cccgccccac	cggcagtgct	ccagtgagcc	caacatcacc	gacaaccctg	720
acggactgga	ggagggggcc	aggggcagcc	aggagggtc	ggagctgaac	tgtgcttccc	780
tcagctgagt	cgccacccct	gggcctttcc	atctcctgtt	ttgcaaccag	gatgaggacc	840
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tcactttctg	actccagcct	tgccagcctg	actcagatcc	tcactctctg	gcctttctcc	1080
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ctctccccc	ttttgtgtag	agtgaataa	gcctgaagcc	cctactcagc	agggctctgg	1320
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aaaatgtgta	tcgttttaaa	aaaaaaaaaa	gggggggcct	tttaaaagaa	tccttgaggg	1740
ggcccaattt	aaccgggggt	tggaaggtta	tat			1773

<210> 4381

<211> 684
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (659)...(308)
 <223> similar to gi3878051 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4381
 tttttttttt ttggtatcca aaacttggtt ttattaatag tcttaaaggg cattcaataa 60
 aacgttccca taaatatgcc agtgaatttg ttttaataac agaagatcat gaccttataa 120
 attactaaga aaaatatgct gcacagtaaa acaatgtctg atgttcttga aaatactttt 180
 tcactttaca agagatacaa tatgtgcttc agtttacatt ttactctcca tctaacttca 240
 gaaaaaaaaa acaaaaagga tgctatacta agaaatcttt agtatgagga gtatgtaatc 300
 atagcctcag aaatttcaaa agctgccaca atgtttttcc actcctgtaa agtcaaagat 360
 ataactccct gtttcctgcc atggcaactg gaatcatttc cctcacccat ttggttaaca 420
 ttcacggtct ctaatatattg cagcctgtct tcatcaagcc ttattcttgc aaaaccatct 480
 cttacaataa aagaaacata aaatatattc tccacagtac gagaaaaaga gtttgatca 540
 atcacaaact caaaatagga cacaggagta tcaggatact ttcgaaagta ggtttgcaac 600
 aatcccaaaa tcctttctac gtttttttct gtcgcttctg gataactact cagggtccaac 660
 ttctgcaact ttgtaggcat gttg 684

<210> 4382
 <211> 1157
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2)...(646)
 <223> similar to gi861406 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4382
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 tgccctcccca gccctccgct gtgtgcagac ggccaaactc atcctggaag aactcaaact 180
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 ggagtacatg gacaggtgca cggcgagcat ggtgcaaate gtcaacacct gtccacagga 420
 cacgggtgtc atcctaattg tgagtcacgg ctccactctg gactcctgca cgcggccact 480
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```

aggcaactga gagccacggt gatgttgtca taacctcaga gtggagaggc agaaaccatg 720
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aaccatcgac cacgtca 1157

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<210> 4383
<211> 1107
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(412)
<223> similar to gi5670193 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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```

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acaagttctt ctggtcatcc tacttttaag tgtccoctgt gtcaagaatc aaattttacc 180
agacagcggt tactggatca ctgtaacagt aatcacctat ttcagatagt tcctgtgaca 240
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agtcattctaa atcagagaca tcaatttgat tatggagaat ttgtgaatct tcagctagat 360
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tagacatctc tgcattcttg tacctgcaag tgccatcttt aagggggaaa ctacatgaag 480
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gattgaaaat aaaggtaggg cttctaaaaa cttcatcatc ttgataagtt aaaaaatgaa 600
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gcttttgaaa tttgatgcat tcctcccatc tactttatta ttgtacacat ttaacacaca 780
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tgggcatttg ataatttcag tctttgg 1107

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```

<210> 4384
<211> 7853
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (2)...(6640)
 <223> similar to gil665761 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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gggctgccgg	gaaatcctta	ccacagcggg	ccctttcacc	gtgctgggtg	catccgtctc	240
ctccttctcc	tccaggacca	tgaatgcata	ccttgcccag	cagctctgta	gacagcacat	300
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<210> 4385
<211> 1155
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (8)...(296)
<223> similar to gi5596433 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

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<400> 4385
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ccacctctct ggggtgccaga gcagcctggc cagtgggtgag acggggacag gctctgctga 180
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gtctgcatcc gccacccctt ccaaccactg ccctcagccc ccgaccttat ttattacct 540

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```

ccccccac accccaatc tacctggtga tgattttaag tttgcgcgtg tcttggttg 600
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gctgggatta caggg 1155

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<210> 4386
<211> 6179
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(3828)
<223> similar to gi2224639 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 4386
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<210> 4387

<211> 1369

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (136)...(731)

<223> similar to gill107895 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4387

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<210> 4388
<211> 1297
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1240)...(738)
<223> similar to gi3874821 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 4388
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<210> 4389
<211> 3425
<212> DNA
<213> Homo sapiens

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<220>
 <221> misc_feature
 <222> (37)...(1116)
 <223> similar to gill136404 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4389

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<210> 4391

<211> 2238

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (115)...(1300)

<223> similar to gi3947603 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4391

ctgggcagct	gttgtcgct	ggcgggcggc	cgggcgggcg	cgctgcgggg	accgggtgcg	60
ggaggccccg	cgcgcgggcc	cggtctgggc	ggtgacggtg	gcggccggcg	gcacctgggg	120
caggggcagc	cgcgcagacg	tctggcgggc	tgtggcagcc	gcgcggacgg	cggtctccgc	180
ccctcccggg	tgggtggtgt	ggccaaaacc	accgggtacg	agttcgagca	gcagcgggtac	240
cgttacgcgg	agctctcgga	ggaggacctg	aagcagctgc	ttgcattgaa	aggctctagt	300
tacagtgagc	ttcttgaacg	acatcatatt	cacaccaaaa	atgtagaaca	tattatagat	360
agttttacgga	atgagggaat	tgaggttcgt	ctagtaaaga	ggagagaata	tgatgaagag	420
actgttgcgat	gggcgatgac	tgtcatagct	gcaggagggtg	atggcacaat	gctgctggca	480
gcgagtaaa	tcttgagacg	acttaaacca	gttatagggg	taaacactga	tccagaacgg	540
tctgaggggtc	atttatgcct	gcccgttcga	tatacacatt	cctttccaga	agccttacag	600
aagttctatc	gtgggtgagtt	caggtggttg	tggaggcaga	gaatcagggt	ataccttgaa	660
gggactggca	taaaccctgt	acctgtggac	cttcacgagc	agcagctaag	cttgaatcag	720
cacaatagag	cccttaacat	tgaagagct	catgatgaaa	ggtctgaggc	ttcaggaccc	780
caacttctgc	cagtgaagac	actaaatgaa	gtcttcattg	gggagagtct	gtcatccagg	840
gcttctact	atgagatttc	agttgatgat	ggtccatggg	aaaaacagaa	gagttcaggg	900

```

ctcaatttgt gtactggaac aggatcaaag gcctgggtcat tcaatattaa caggggttgca 960
actcaggctg tagaagatgt tttaaatatt gcaaaacgac aaggaaattt gagtcttcca 1020
ttgaacagag aattggtaga gaaagtaaca aatgaatata atgaatcact gctctacagt 1080
ccggaagaac caaaaatact tttcagtatt cgagaaccaaa tagcaaatag agttttctca 1140
agcagtcgtc agcgttggtt ctccctcaaag gtttggtgtc gttctcgttg ttgggatgcc 1200
tgtatggttg tggatggagg aacttctttt gagttaaag atgggtgcaat tgcttcgatg 1260
atgatcaata aagaagatga gcttcgaact gtgcttcttg aacagtgaag gatttcctca 1320
tgacaaattt tgattactgg cgagaatatt tttacttcag aaacagacta ccagtcgtaa 1380
agtgaattt tttggttatt gttgagactg cttgcccgtg ggctcagaag tgagatttgc 1440
attattcttc tgttggtatt tgatagaaaa aaagacattc actgtataag aaaatggatg 1500
gactgaacca attagaattg ataccagtga aatttttata ttgcttaca ttggtaacca 1560
agagtgtgta taccttttta aatttagagg ggcaggctta aataaaggac taaatattta 1620
ggatttgaaa cttaactgta taagtgtgtt ttccttccct ttccctcctaa ttgggggatt 1680
gtcagaactg aacacatatc atttgattag tgcataattt ttatagtacc tgaaaacca 1740
gattttgaaa aaattttcaa gacagagaat tttgataaat cctgacattg acctaattga 1800
cataggtaaa tatgtttgta tatgtgctaa taattttcta atttcggaac acgatgatgt 1860
tatgactatt gatttaaaaa tttcaataa taatttttga aattatagat gaatgctttc 1920
atttgagttt cattctgtaa ttcagcagtt ctgggtgaaa tacagatagc aaaacaaatc 1980
atgatgctgt tacaatgta ttagttatcc aataagtgtt ttaagtcaat ttttttaaaa 2040
tgatatgagt cttacaggtt tcttccatct ttaaaatgct caaacatgga ttcagggact 2100
aaaaggatga actgattaga cattttctat taggagtttg gtaaaatatt gtacaactat 2160
cttcacctgt gttaggcagt attatcagga caggaatggg attctttaat aaatatgtaa 2220
aaccagtaa aaaaaaaa 2238

```

```

<210> 4392
<211> 1014
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1017)...(267)
<223> similar to gil438532 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4392
ttttttttca ggggtaaatgt ttcataaat ctttaaatgaa atttggggag aggggcacaa 60
acagaagggg ggggcactgg ggacaggctt gggggcaagg gaggtggaca cgggggcagg 120
gcatgggcag ggggctctcc tcttcccctg aacaaaccct cccccagtca tcccactgac 180
gggggggagg aggtggggag gtggagccat aaatacgtcc agagtttcaa agagggtagg 240
ggcgaagagc tggccagggc tctcagagag ggggcagggg caggcccggg ccacccttgt 300
ctggggggccc tggctccttg ggcggcgtg ggggcccctg ggggtcccct ggcttgcgac 360
cgtgcttgcg gaagtagcgg tagcgtgga cgtaggccc caccagggtg ctcaccttca 420
ctgggttgat tccccactt ttgctgtggc agatcttgtg gacggccttc ctcaggatgt 480
ccttgtaact ctccttggtg atgtccttct tctgatagta tggcttgatg gccagcttca 540
cctcctccac cgcgcgtcc tgcgtgtgca gcttcttcag atacttatct gtgtccccac 600
ggccctcaga gctgctgctg cctctctct tgtcagacgt ggcagccagc ccggtggggg 660
tggggggggg cgaaccgcag cccccagag ggaggctgcc aggaagcagg tagctggagg 720
ggccaggggg cagaccaaa gaggtgggca caggagctgg ggtcatcccc agacttgagg 780
gtggctttct gtggctgagg atctggttgg tggcctggat cagctcctgg gccttcgctc 840

```


ggctcgccag	gttggcttct	tccatcttga	agagaagtgc	agtcaaggcc	aggacgccgc	900
tgggtgtgca	gtccacacca	gctggcagat	tccagggcat	ggcgggggc	agcgtgggca	960
gctgggagac	acgggaagct	ggcccgtcct	ccgccccgga	gtcaccggct	gtgg	1014

<210> 4393

<211> 1187

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (829)...(314)

<223> similar to gi671865 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4393

gcaaaatgac	aacattttaat	gggatgataa	ggaaataaga	cttgtcaaga	aaccatagcc	60
cactgcagac	tgttcacgat	gtcagatggg	tcatgatatt	tttccagggt	tgatacagaa	120
gaatcagttt	gttaaaagaa	atgcttctcc	atcagagact	tttcttttct	tcaactattg	180
tccctatcct	tattcagggt	ttcatTTTTct	tactagatgt	gttttcaatg	gtttatgacg	240
taataaaaatt	tctttacttc	ttccagtaat	tgtttttgtc	tactctggaa	actggaacta	300
ctgtccgatg	ttggtaaaaa	gctagggcat	attcttcttt	ttcgtagtaa	tcgtagacca	360
tgcttggggc	tggtctgaatg	ttgaacacaa	gggtgtctctg	ctcaacagaa	aaagtgaaac	420
tgtctgtctg	accaaaaaca	ttttccaagt	agaaaagaac	atggtcattc	ttgacttcag	480
tcttcatcac	ttggcccttg	ttttcaagct	cttcaatgga	tgacatgggt	ggagtaaatt	540
ctgatagcat	ttttacatct	ataaccacca	tactggattt	attgcgaatt	ccagtgtatt	600
tgaggggtcac	tgtgaggtca	aaagcagtcg	aagagtagtt	ctttactatt	tccaaggaaa	660
gagaaaatcc	agatgccttc	ttaggttagga	gaacattgta	cttaagggtg	gcctggataa	720
atgtacaacc	gtgtccttcc	acatctactg	tgtattgtcc	aggtgcctgt	gttacttctg	780
aacgttggac	cagtaggcgg	ttatgaccgt	taacctggaa	aatctcactg	gatccttcac	840
tgctggagga	ctgtgggttt	taggtgtcca	agaagaaagc	tcagatctgc	cgacggcagg	900
tgcttactt	gggatttact	atccgacagg	gggtctggagg	actgtgggtt	ttaggtgtcc	960
aagaagaaag	ctcagatctt	ccagcagaag	gtaccttact	tgggatttac	tatccgacag	1020
gggtctggag	gactgtgggt	attaggtgtc	caagaagaaa	gctcagatct	gccgacggca	1080
ggtaccttac	ttgggatttt	ctatacgaca	ggggtccgaa	cgacgcccgg	gatcagaaag	1140
aaagcagggtc	gttttgaatc	taccaggacc	taagggcaga	acggcag		1187

<210> 4394

<211> 1117

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (50)...(765)

<223> similar to gi3327194 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4394
cctggtcgcac ctacgcgtcc gaagggagga ggcagacggc aacaagatgg aggaagagga 60
ggagcccgcc cagggcaaaag gtgacagcat tgaggagatt ttagctgact cagaggacga 120
ggaggacaat gaggaggagg aaagaagccg aggcaaggag cagcggaagc tggcacgaca 180
gaggagccgg gcatggctga aagagggcgg tggggacgag cccctcaact tcctggatcc 240
caaggtggcc caacgagtcc tggccacgca gccagggccca ggccggggca ggaagaagga 300
ccacagcttc aaggtgagcg ccgatggccg gctgatcata agggaggagg cagacggcaa 360
caagatggag gaagaggaag gtgccaaagg cgaagatgaa gagatggctg acccaatgga 420
agatgtgatc atcaggaata aaaagcacca gaagctcaag caccagaaaag aggctgagga 480
ggaggagctg gagatacccc ctacgtacca agctggaggc tctggcattc atcgccctgt 540
ggccaagaag gctatgcctg gggctgaata caaggccaag aaagcaaaaag gtgatgtgaa 600
gaagaaaagg cggccggatc cctatgccta catccccctc aacagaaagca agctcaaccg 660
caggaagaag atgaagctgc agggacagtt caaaggcctg gtgaaggctg cccagcgagg 720
ttcccagggt ggacacaaaa accgcagaaa ggatcgctga ccctgaggcc cagggccccc 780
gggctgccct gtgtgtccagt ctgaggccct ttacgcccc aggctgcctt gccaccagct 840
ccaggtgctc aagattctgg cagagcctgg actcaggatg acttggaact agggcttggc 900
tctcagaagt cctggatttt ggaaactcca aatggaatca cccttcagag acatccctgg 960
tgcttgagga tgggaatgtg gcctcagtgc ctctgagtag gtgccatgag gcacctttgc 1020
tttctgcccc gagtggccat gagcaccaga acagatgatc tccatttccg ccagctgcct 1080
gtagccacgt ggcacccctg ctgtggtctg ggtgaaa 1117

<210> 4395

<211> 1162

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (544)...(758)

<223> similar to gi2104558 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4395
tcagatgtga ccttcctggt ggaaggaaag ctgttttatg cacataaagt cctgctggtg 60
acagcttcta acaggtaggc agcctcagat aacaaactcc cagcccaggg gcacagaagc 120
accttgtttc agattccagg tgacagagag tgactcgctg gggctgtacc ctgcagcctc 180
tgcccctcag actgcagtca cattgcagca gagccccact cgccccacag cgggatgaga 240
cggggtggac ccagggcagc aggaaagggg ggctctgagg tgggtgttct tctggcctag 300
ttattgcttt tattattaga aaacataaat atcctggaat gaagagtcag cattctggcc 360
acaggcgtca ggtcgcttgt aggggtgggtg gtggggacag aattgggctc agctcagatg 420
tcttcctaag atggtgtaaa atggcacttg ctgaaaatta ttttaggagc acagcagtaa 480
tttttaaaat gttccgtctt gtggtagccg gtcagggtgac agatgggtgcc atcgccacac 540
agtggatgaag taaaagggtc aaaaccaccc ttgctttgtc tcctttgctc caggttcaag 600
acactaatga ccaataaatc agaacaggat ggggacagca gcaagaccat cgagatcagc 660
gacatgaagt accacatatt tcagatgatg atgcagtatc tgtactacgg aggaacagaa 720

tccatggaga	tccccaccac	tgacatcctg	gaggtgagac	tcgggagagg	gggagggggc	780
ctgggccagg	gtgcccagcg	gctcgggtctc	ccattcaccc	ccttcagagg	gaaggtggct	840
cttcctctcc	atctgacagg	aagagcagtt	cccagaaaga	ggaactgtgc	acaccactga	900
gcccagcctc	agtgcgtgtc	ccagcgggga	tggttaggcc	caggagtatc	agaaggtagt	960
ggggcctgag	ggtggaggca	gcagggcaca	cggcactcgg	gagctttctg	ttcggtgctg	1020
tctggggccac	tggctctggcc	atgggtcccc	aagacctgct	ctgcctccct	accagctgct	1080
gtcagctgcc	agcctgttcc	agctggatgc	cctgcagagg	cactgcgaga	tcctgtgctc	1140
ccagaccctc	agcatggaga	gt				1162

<210> 4396

<211> 1833

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1451)...(941)

<223> similar to gi5824472 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4396

tttttttttt	ttttctgtct	gtgggagaaa	aactatctcc	atttattttg	tttcatatac	60
atccatagtt	gaattttta	acaaaagaaa	aaaattagaa	tctgacaaat	gtttacaaac	120
aagatacctt	caaatagatt	ttactcactt	tagcctgggtg	cagagtaatt	gacaaattgt	180
actgttatat	tcaaggcaac	agagtctgta	gtccaggacc	acttagccca	acctttatgc	240
aagcttaatt	ttaatctacc	atgaacaata	aactcattgt	tgattcccag	ttgtgtgtgt	300
gtgcacatgt	gtacatagca	gtccttttca	tagaaaagaa	agacatctag	aggctcgtctt	360
gtacttttac	ctacaggaat	catgataaga	tacagatgat	tatatgtaac	cggggctgga	420
ttttataaga	aaaaataactt	agctgacaaa	tgagggcagc	aataaaaaag	cgtctttttt	480
gcaacaataa	ataaatacag	tcaaaagttt	tctgtgagac	tctaaccag	cttcttcact	540
gaagagcaga	cgtggcattt	ccatggagtt	acacttgacc	ccatagtatc	tttttttctt	600
gctttctttt	tctttttttt	tcaataaaca	aagttttctc	gcttctgcca	caatagtaaa	660
accatctgat	cttgacaaga	taatgggtgtc	gttgactttg	cttttttctt	gtccgttgga	720
caaaattggc	caagaatata	attggactgt	tatgaccaat	aaaaacgaag	tttaggtcaa	780
gtcttgtcag	gatagcctga	ctaaaaacat	ctggctcctt	aatttaaaat	agttcagaca	840
accagattct	tgtctgtgtt	tatgttaggt	taacacgctg	aactttaaga	agctgtagac	900
tgacgtttgt	tgttatgaga	cctgctagct	ttgaagcctt	tcaatttctg	tacaaagaat	960
gattcgagaa	cttctgcaca	ctggtaaaat	ggggagtcac	ttggattgta	gtaacgacag	1020
ttatcaaaaa	ttttgggtcat	atctgccaca	aattccgtca	gcttttcata	atatcgtctt	1080
tgtactcttt	cttccatggt	ggcaagggtcc	ataggttcct	taataacacc	ataataatct	1140
ggtgcatcat	taggggtctac	tggttcaagg	aaaggccagg	ccatcttatg	ggcctgtaag	1200
gaacggagca	ccctcttcaa	cccctcataa	tccttctctg	ttagtggcgt	gagcactgtc	1260
atggcatcct	ctgttgactg	gcactgtgga	cagacatact	catcaatgag	ctctgcctca	1320
ctttgcaaga	tgccaacgca	gcgcccatgg	taccaattct	gacaccgatc	acagccaata	1380
taaaatttag	attcatcata	aggcgtttta	cagatacagt	aaagctttgt	gtccttctta	1440
gtttcctttg	aggtagtaga	gatcattttc	tttttcttgg	actttgagct	ggagtctttt	1500
tcctcttccc	gcttctctct	ctgggaagca	gcaggtaaag	tgggcgtgga	cagaaggcct	1560
gtgtgttgca	cagcaggtgg	agggggaggt	gaaggtggag	gggctggagg	ggctggagga	1620
gctggtgtca	ctggggggca	gggtgcagct	actgctgtgg	cctgagccaa	ctgcatcagg	1680
tctttttctt	tcttaatttt	caggtctctc	ttcagctctt	cctggtgtca	attaaagaca	1740

```

atacaagact atcattagag tcatgtaaat gtgtgatctg gccagaagat ggtacacccc 1800
acgcgtccgc ccacgcgtcc gccacgcgt ccg 1833

```

```

<210> 4397
<211> 732
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(733)
<223> n = a,t,c or g

```

```

<220>
<221> misc_feature
<222> (644)...(467)
<223> similar to gi30099 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4397
aggattcaag cgcaggcctg cccaggcttt ttgtgttctc ctggctgcga ggaggcatcc 60
agggaccagg tgccaccctt ctgagacacc tgaaatccca ggcccagag gatgaaggcg 120
ggattacctg gagcgtgtct gaatgctgga ggaagaaggg cacctgggag atgaagctgt 180
caggatgggc cgcattcccat ttctgcctc gtttcagtgc aactttccaa cagacctccc 240
tggctcgtct tgctcttctc taatggacaa acaaacaggc tcaaagaggg ggggtgactt 300
gccaagggtc actcagcttg gatgctatgg aacagggacg tccactgtcc cagtctgttt 360
atgggaagcc gctctgcaac tgcctgacc caccacatgc cccaccgctg tttctctttn 420
gcctgacccc ttgttccctg gaccagggtg gcacagctcc aggtctttgg gcccttcccc 480
agggcaggca cctgtgactg tgtcccaaaa gacctgagtg gctgaggggg cccacagag 540
cttggaactc ctggaggaca aggaggggtc ttgcagtcac ccccatcacg cccgccccag 600
ggctcccctg gagcttccat gccagctgga ctcaggaccc ctgtgatcac actggccccc 660
ccaccgatg acccaggata atccatctcc ctgattgaag gacggcttga tatcaaacct 720
tatttccatc tg 732

```

```

<210> 4398
<211> 1452
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1351)...(808)
<223> similar to gi4894378 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400>	4398					
tttttttttt	ttccttaaat	gaggagattt	aatgtcttta	cattatacat	ttcaaaggaa	60
caaaacaccc	tttatgaatt	ttctcatgga	gatagcattt	acatcacaga	gctgttgtga	120
aaataaaaata	agaatgtaca	gcacacctgg	aatataaaaa	acatcccaat	aacttacttg	180
gagccccgca	gccatccatc	cctcacatat	aaatacaatg	aaccagatga	agatccgtgt	240
ccgtgtccat	gacagcaatc	cattcagaag	atcaaagata	aatagtctaa	tacaccaatt	300
tctgacattt	gcttagcact	gcaggactca	tgaagagctg	ccactcatat	tatctcattt	360
aatccctaca	acaaaaacca	aggctcaagg	agggtagtc	ttgcagaaaag	aacagttaac	420
agactccaca	ggtttgcaaa	acagccatat	gacagagggc	tgagggaagcc	tatgatagta	480
ggctgaggaa	gcacagctga	actgcagcta	tgagactggt	ctagcagcac	gactgtggcc	540
tgaaggcaca	ttcttctctc	aggtaaggca	agggagctct	catggtgact	gggcccctcc	600
tgggcaatgg	caatgccact	ggagaacacg	ctggaaaacca	tatgctacag	ggatgtcttt	660
tatttgtata	ttgatatttc	ttcacagaaa	attaagcaag	tggctattct	gtcttggtt	720
aatccatttg	gacttggtcc	cattggtgtc	cgtggcagct	tctgctttgt	ctgtaggcac	780
tggggcctta	tcttgtgatg	gttatcactt	gagggtcttg	ctaaggtttg	agaaaccaat	840
gccaacacag	gtcatcagca	ctttatcccc	acccttgagt	tcttcaccac	atggcttggt	900
ttcaatttta	aacataatct	ggaaaaagct	cttcaaatgc	cgcaaaaatt	ctatcgtgta	960
gggagagaga	gggcctagca	ggactttgga	aacatcctgc	tgtccaaggg	tcatgagtag	1020
tagcgccagg	ctttggttgg	tgcagtatac	gcattccacc	ctgtagattt	cctccagcag	1080
cagccgggca	cagttcctgc	caaggctctc	tggaaagtact	gctgtctcct	ggccctgggg	1140
gttggaggcc	agttcagcac	tgagggaagg	gccactggtg	gtctcagcaa	ccagtgacaa	1200
cccaaagccc	ggagactttc	cagaggttgac	tcttttcatt	tgatctgtgt	aaatatagat	1260
atcaggtatg	aactgtttga	ggatgtctct	tgcagaatcc	acaatccggt	tgcctatctg	1320
aggtgcacaca	cgtacagagt	acctgcagcc	tggagttaag	gatgtcattc	tgcatacatc	1380
tctcttcaca	tatgcacatt	ttgttcttgc	tcttcaatga	gaccacacac	tctataaggg	1440
caagggtctt	ac					1452

```
<210> 4399
<211> 957
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (319)...(547)
<223> similar to gi5901802 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400> 4399						
atggcggccg	cctggccgtc	tggtcctgtc	gctccggagg	ccgtgacggc	cagactcgtt	60
ggtgtcctgt	ggttcgtctc	agtcactaca	ggaccctggg	gggctgttgc	cacctccgcc	120
gggggcgagg	agtcgcttaa	gtgcgaggac	ctcaaagtgg	gacaatatat	ttgtaaagat	180
ccaaaaataa	atgacgctac	gcaagaacca	gttaactgta	caaaactacac	agctcatgtt	240
tcctgttttc	cagcacccaa	cataacttgt	aaggattcca	gtggcaatga	aacacatttt	300
actgggaacg	aagttggttt	tttcaagccc	atatcttgcc	gaaatgtaaa	tggctattcc	360
tacaaagtgg	cagtcgcatt	gtctcttttt	cttggatggg	tgggagcaga	tcgattttac	420
cttggaatac	ctgctttggg	tttgttaaag	ttttgcactg	tagggttttg	tggaattggg	480
agcctaattg	atttcattct	tatttcaatg	cagattgttg	gaccttcaga	tggaaagtagt	540

<220>
 <221> misc_feature
 <222> (8)...(341)
 <223> similar to gil247473 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4401
 ttttagtcat atcacagaag catttcatca ccagcctgag tggggaaatc ccaatcgtga 60
 cagaggggtcc tgggcacagc ctgttgatac tggagtttca gaagcgagcc taggtgatgg 120
 tgagccccac atcccatctc tgctgtctat gtctacaagg aaccacatgg atatcaccat 180
 tccaccctta cctccagtag ctccagaagt cttgagagtt gctgaacaca gacaccggag 240
 gggctcttatg taccatata tctacatgt cctcactaag ggtgaaatta agatccccgt 300
 atgtattgag gatgagtgtg acatggagct gcctccagct gctctcttat tccggtcagc 360
 tcgtcaatat gtatatggag ttctnttttag tctggcagag acacagagga aaatggaacg 420
 cttggccatg cgacggcggc tgcctgtgga aggtaagtgt agttctagct atgacaattc 480
 tctcagcact tgatacagca gatatgtctg tccaggcaca ttgggtacct atggctatgg 540
 agtagtcttt aagaa 555

<210> 4402
 <211> 830
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (633)...(466)
 <223> similar to gi3114594 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4402
 tttttttttt ttaaataattt gatattttta ttggaaatgt ttttgtagt ttgaggggaa 60
 gggatatgaag acagatctca aggtaaagtc agagagggct gtcatcagta tgctggggag 120
 tttagggaca ggaggcattg gtaggggatt agatgtagca gcagtcaggc tgggatcaag 180
 atgcctgggg ggacatcttg atcttggcct ttcagggcaa gtgggaggct agaaagggtg 240
 cctaggaaaa gaaacaacaa tccttcagggt aaagggtaat agacttggga tgtgaaggcg 300
 ttatgctgaa aggttctgtc acgaggggat cagaggacag tggggaaatt ggggtgggta 360
 tctagcctgt actgtctgca ggtcctgaaa ttgatgctg tcatagtctt tgcagtgggt 420
 cggttggaat gattctgggg gcagaagctc agagcccctt agtaggaatg gaggcggccc 480
 ttctgctgcc actgctcagc cccctccact gcatgacgaa gggtaggagga aattcccagc 540
 aacatatggc ccaggccttg cagcagtgtg gaggtccaac gaaggagctc cctgaatggc 600
 agagacaaga ggaaatcaga tgatttggaa aacttgggag gaagccatca agctgggaga 660
 tgaggacttt ccacaagcaa gagctaacta ggggtagggt ggtgcaagag gacgaattat 720
 ggggactatc caactgtagg ggatggggca gtatgacatg ttgatttctg acctgagtac 780
 tttctttggg ccaagtcctt gaaagtcaca actcatagag tagagcccgt 830

<210> 4403
 <211> 2223
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (205)...(802)
 <223> similar to gi57351 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4403

ctgacctcat	ggcgtagagc	ctagcaacag	cgcaggctcc	cagccgagtc	cgttatggcc	60
gctgccgtcc	cgaagaggat	gagggggcca	gcacaagcga	aactgctgcc	cgggtcggcc	120
atccaagccc	ttgtgggggt	ggcgcgccg	ctggctcttg	cgctcctgct	tgtgtccgcc	180
gctctatcca	gtgttgtatc	acggactgat	tcaccgagcc	caaccgtact	caactcacat	240
atctctaccc	caaagtgtgaa	tgctttaaca	catgaaaacc	aaaccaaacc	ttctatttcc	300
caaatcagca	ccaccctccc	tcccacgacg	agtaccaaga	aaagtggagg	agcatctgtg	360
gtccctcatc	cctcgccctac	tcctctgtct	caagaggaag	ctgataacaa	tgaagatcct	420
agtatagagg	aggaggatct	tctcatgctg	aacagttctc	catccacagc	caaagacact	480
ctagacaatg	gcgattatgg	agaaccagac	tatgactgga	ccacgggccc	cagggacgac	540
gacgagtctg	atgacacctt	ggaagaaaac	aggggttaca	tggaaattga	acagtcagtg	600
aaatctttta	agatgccatc	ctcaaataata	gaagaggaag	acagccattt	cttttttcat	660
cttattatct	ttgctttttg	cattgctggt	gtttacatta	catatcacia	caaaaggaag	720
atctttcttc	tgggttcaaag	caggaaatgg	cgtgatggcc	tttgttccaa	aacagtggaa	780
taccatcgcc	tagatcagaa	tgttaatgag	gcaatgcctt	ctttgaagat	taccaatgat	840
tatatctttt	aaagcactgt	gatttgaatt	tgcttatgta	atctttattg	cttgactttt	900
tatatgatct	tgtgcaaatg	tttgccatag	gcaattggta	cttaaatgag	aggtgagtct	960
ctcttttgcc	ttgggtgctt	ggaaattaaa	tgtcacaaac	gagtatataa	ttttttatct	1020
gtacttttag	agctgagttt	aatcagggtg	ccaaaatgtg	agttaaacat	taccttatat	1080
ttacactggt	agtttttatt	gttttagatt	tattatgctt	cttctggaag	tattagtgat	1140
gctactttta	aaagatccca	aacttgtaac	taaattctga	catatctggt	actgctgact	1200
cacattcatt	ctccgccatt	caaatactat	tttttatcca	catttttttt	tgttcccaaa	1260
ctgtaatgta	caaggatatg	tgtgataatg	ctttggattt	gagtaatatt	tttttttctt	1320
ccaagaaaac	tgctttggat	atcttttagat	aatttaaaca	taatttagga	taatgatatt	1380
gctcaatctg	accacaattt	taggtaaaac	attaaatgtg	tcaagaaatc	ttggcaacag	1440
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ggaattacta	tattaaattt	agaagcagaa	actggtaaaa	tgttaaatac	atgtacaatt	1560
gcttttagtt	agcaattgat	tgtagcatgg	gttcctccaa	ggtttcaagc	aatgggcaga	1620
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tcttaggggt	cattatcact	taaataatac	tgtacctagg	tctttcaaatt	taaaattata	1740
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atgggtgact	tacaagtgtc	actacagctt	tttagaaaac	atagccctaa	tatatgttaa	1980
gcaggaccgc	ggtgagccag	tgggcttgcg	ctttatgtag	agctggaaga	aggccgtcca	2040
tcctgtctct	tgggcggaac	gtgtactttc	ctaataggga	aggggaagcac	aatgcgaaat	2100
accctgaac	cgttttattg	cagttaattt	ttttcatatc	tgaactattt	atttaaatatt	2160
ttgactacga	cttttacaaa	ataaatgcc	cagcatatac	aatctatgat	ttcaaaaaaa	2220
aaa						2223

<210> 4404
 <211> 925
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (928)...(156)
 <223> similar to gi3170887 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4404
 tccattaaga aatattttat tgatgtaagt gaacctggac atggagcaaa agaccctcca 60
 atactttccc agccctcaga aagttttcca taattttgaa tcagccttta ctactgtcgt 120
 catttgatgat tgtcttgagg cagagttgga gctcacagta actgccagtt gaatccaaat 180
 aacatctgat tagtctcttg gctcctagca atctcttcta taatgcagtg ttgttgccag 240
 accaaatgga gcttccgata ccgctcacga gataaatgaa ggggggttgcc cctcttcagg 300
 ccagggtctg tttctccata ttcatccaag taaggagctg gataggcaca gcctctggct 360
 ttaccttcaa ccaggaccac tcggcattct ctgattttta ggaaaatgca gactccggct 420
 ccacagtga gtcggtgaaa aatgcaagct ccaacctctt ccccgttcac aatttcctgg 480
 cagcaaagt tctgagaaca tagtatagcc ccacagaaaa ggcagaggac aggatgcttt 540
 cgctcatcat ctgcagaccg tgggcacctg aaatgagaag cttgattcag gaggcagcta 600
 tagtcatcag gaagctctat caaactattt ctttttctag ggtacctgac caggtggttt 660
 ttttgcttca aacagtttag taaggcagga tctgcacacc acctctggag caagggcctt 720
 acagtatccc aatattcctg gaagagcagg aacaaatttg taggtaaaga tagatagcta 780
 cagagtgcac tgtactctcc ttctgcagaa ttggtatgca gttcctcagg cggagttacc 840
 ccaagtaaat agtggaaaaa caatgcagca cagcgaagat aaggggtgat gccattcttc 900
 agtgagaccc acaaatacca gccag 925

<210> 4405
 <211> 777
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (615)...(69)
 <223> similar to gi4836403 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4405
 tttttttttt ttctgaagaa gcatttatta gcatgcaggg cccatgctag aggctcctta 60
 tttccagggc aaggccagcg agacagagcc cattgctcag gacgcagccc agattgcaaa 120

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gagaggacag cccatggtag cggaagaaat tctggcggag agcactgtac ttggggtcct 180
tctctcgtag ctggcggtag ggatcgggac cctggtggct gcctggtacc tccccacca 240
ggcctcgctc cttctccacg gtttgacagg cccacatggc agctgtggtg cgggggtcca 300
gccagcgggc gttgacagtg gccagcgtaa ggctcaggaa cagcaggtaa agctggctgg 360
cctcccagaa tgtgagctga gccaagcat gctgtgaagc caagatgcag aggttgatga 420
aggcacagcc catggagatg tggaaagtag aggggaagag tttgctctgc actagtccga 480
aggtatgtcg gggaaggctt cggaagaaagca ggaagcctga gacgaagggtc acccacattt 540
gcatgcccca ggcacctgac aagaccagta gatggaccat cttaatcagg cctcctaggt 600
tcccgccttc ctccatcttg cagtccgtta ggaaccggga cctcaatccg cagcaccggg 660
attccgagaa cagaggcgctc ggggcaaat gggctgaatc tggtagctca ctcccacgcc 720
cccgggtgga cagcgaccct cctcggccgc gtcccctcgt gggtttcccc tcgtgcc 777

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<210> 4406

<211> 1635

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (17)...(1160)

<223> similar to gi5832784 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4406

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ttctgccttc tgggacgagg cgctcgctcac catcctagcc gtgtgcatct atggcatcgc 60
gcctgtgggc ttctcgtagc atgagacggg ggactcgggtg ctgcggaacc gcggggtcta 120
cgagaacgtc aagtacgtgc agcaggagaa cttctggatc gggcccagct cggaggccct 180
catccacctg ggcgccagt tttcgccctg catgcgccag gaccgcaggt tgcacagctt 240
cattcgctcg gcgcgcgagc gcgagaagca ctccgcctgc tgcgtgcgca acgacagggtc 300
gggctgtgtg cagacctcgg aggaggagtg ctcgctccacg ctggcagttg ggggtgaagtg 360
gcccattccat cccagcgccc cagagcttgc gggccacaag agacagtttg gctctgtctg 420
ccaccaggat cccagggtgt gtgatgagcc ctccctccga gacctcatg agtggccaga 480
agacatcacc aagtggccga tctgcaccaa aaacagcgct gggaaccaca ccaaccatcc 540
ccacatggac tgtgtcatca caggacggcc ctgctgcatt ggcaccaagg gcaggtgtga 600
gatcacctcc cgggagtact gtgacttcat gaggggctac ttccatgagg aggccacgct 660
ctgctctcag gtgactgca tggatgatgt gtgtgggctc ctgccttttc tcaaccccga 720
ggtgcctgac cagttctacc gcctgtggct atccctcttc ctgcacgccg ggatcttgca 780
ctgcctgggtg tccatctgct tccagatgac tgtcctgcgg gacctggaga agctggcagg 840
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ggtggtcttc ctgggcctcc tggctggcct ggtggctctc ttctacgtct atcctgtccg 1260
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cgaactggac gctcagctcc actgagctgg ctgcgggctc cagcggccgt gtgctccagc 1380
aggccagagc cagacacgac ctccctgagc ctacagggtc tacaggagtc acctgctcca 1440
tgtggggact ggctgtttc ctgaacacag acctctttct tgtgccttgt tcacttctgt 1500
tgaacccttc gtactgccgg gcatttatta tactacttcc tgtcataacc ttctaacttg 1560

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tttcttgacg accacctcat gtggccaata aatggactgg gagcgtttta gctgccatta 1620
acttgaaaaa aaaaa 1635

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<210> 4407
<211> 6018
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (3)...(4029)
<223> similar to gi5912034 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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09488723 "013100

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<400> 4407
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gtcaaatgaa gcgcaacaga ggggaagaaa tagattttga gacacctggg tccattcttg 180
tcaacaccaa cctccgtgcc ctgatcaact ctcggaacct ccatgcctta ccatcacact 240
tccagcagca gctcctcttc ctccctgcctg aagtagacag acaggtgggg acggatggcc 300
tgttgctgtc cagcagcagt gactaaata acgagttttt taccatgctg gctcagagct 360
ggcgggagcg cctggctgat ggtgaattta ctcatgagat gcaagtcagg atacgacagg 420
aaatggagaa ggaaaagaag gtggaacaat ggaaagaaaa gttctttgaa gactactatg 480
gacagaagct ggggttgacc aaagaagagt cattgcagca gaacgtgggc caggaggagg 540
ctgaaatcaa aagtggcttg tgtgtcccag gagaatcagt gcgtatacac cgtggtccag 600
ccacccgaca gcgagatggg cattttaaga aacgctctcg gccagatctc cgaaccagag 660
ccagaaggaa tctgtacaaa aaacaggagt cagaacaagc aggggttgct aaggatgcaa 720
aatctgtggc ctcatagttt cccctctaca aggatgggga ggctaagact gaccagcag 780
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cacagcccac taaagaggag cccaaagtcc cgcccatccg gattcaactt tcacgtatca 1140
aaccaccctg ggtggttaaa ggtcagccca cttaccagat atgcccccg atcatcccca 1200
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gtgctctgca ggtccgaggg gcgagagggt accactgcca tagagaggcg gccaccactg 1320
ccatcgagag ggggggtggc ccgggtggag gtggcgcgcg ggccaccgat gagggagggt 1380
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gagcatttga tgacgaatta gggcttggtg gctcatgccc tcctatgagg gaaagtgata 2040
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ccatcccatc	gaatgatgag	gtagtgaaac	agcccaaacc	agaatccaga	gaacacatac	2160
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ttgaaaagct	gaaaatcaac	ggagactctg	aagcactgag	tcctcacggt	gagtccacgg	2400
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cttggaacaat	ggggttgggg	aatagggttg	tctttcctat	gaaaatgcca	tctgtagacc	4740
ttgtgagtca	gccgtccaga	tgtttgacag	tgaattcctc	tgcttgacat	cctccctgtc	4800
actttggacc	ctatgggagt	gggcatctcc	acgcacctgt	gtatgtgaaa	gtcattttac	4860
atttcaaagc	agtgtgtgtt	tcttattttt	atatttttaa	ctctttattc	ttggatgtat	4920
aaagtgaact	ttttggcttc	tgtaagtatg	ctctatgcac	ctctaattgt	ttatcatgta	4980
tttatatgtt	gtacacagta	ctggctgatt	ctgtaaatgg	atgtattgta	cagagaacat	5040
gaacgtctct	tcctaatttt	acatcttcag	catcattgca	ttaaagtggg	gtaatctcct	5100
tctctacatc	tgttgtcaga	gccactgagt	gctgtgctgc	tcgacgtgag	ggtgaaatga	5160
ttgacttggtg	acctgccagg	ttgcccgatg	ccctgttggg	tcaccggctg	gacctgctgc	5220
agcctgcaga	gccacagtca	gcctgccac	atgccaccga	gcaaacgcat	cttgcttttc	5280
acatctctcc	tcctacagcc	ttaatggctg	cttgctgcca	tatgtgacaa	atcaccacca	5340
ccagtgttaa	gtgcttctgg	attcatgggt	gagttccctg	ggcagccccc	aggaaggcct	5400
tccagatctg	gctccagggt	caccacctgt	cacagcaata	cctgggacca	tgctctcctg	5460
ggactgtgag	gctccttttg	acgtactttt	gacatcaggc	aggtttggga	agaaacaaag	5520

```
ccatgcctgc tctgcctct ctcccaacat gtttcagca agtagatgcc cctgtgtgtg 5580
ttttcccttg cctgtttcc tgccttatat cttgtatttc gacttattac agagttgagg 5640
gttcttgctt aatttagatc aagtataaaa tttgtatgac ttcaagtctc attttatctg 5700
aaagggtttt ttctcattta atctgatgtg gcattttcgt catctgaagc atgagtgaca 5760
agttgggaat gatgtggtga tttagaatgc agtattggcc aagtccaagt tgtcaactta 5820
agcgtctgtt taccaaagac cgggaacagg ggcccaaaca tgtccagtc tcttcttccc 5880
tctgctggaa cctttgggga cactcaaggg tacagtttga cactgatctg gtccatgagg 5940
ctgcccagag aaagcactgc ttctgtatgt ctcttgtggt attggaacaa taaacccgta 6000
caacctgcaa aaaaaaaaaa 6018
```

```
<210> 4408
<211> 840
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (431)...(134)
<223> similar to gil872200 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 4408
tttttttttt ttaaagatcc taacaaaaca tagcgtaaca atattggtct tccaggtggt 60
actcatttca attatgtgta gtataccagg acagacctat tttcatgtct tatttcttta 120
aagagctgct tcattggccg ggcgccatgg ctacagctctg taatcccagc actttgggag 180
gccgaggcgg gtgggttact tgaggtcagg agttcgagac cagcctggca aacatggcga 240
aaccatctct taactaaaaa tacaataaaa ttagccgggt gtggtgtcac gcgcctgtaa 300
tcccagctac ttggggggct caggcaggag aattgcctga acccaggagg cggagggtgc 360
agtgagctga gattgggcca ctgcaactca ccctgggcga cagagtgaga ctcggtctca 420
gaaaaaaaaa aaaaagagct gcttcacata taaatgtcta tagctagtag cctggccctt 480
taatgttaaa tttgaataga tatatctgtt ttccgggaat tatcttgaaa agttttaaac 540
agaatgacct tcatagtttt taataaagaa tattatttac ctaaaatgtg ctagtagcat 600
cttgcccagc ccataaagca ataaacttct caataatctt aattttgata tttgaataaa 660
taatggaaac tttctgtatt aagggcatgt atcccatcaa ttggaatcag taccttaaca 720
gaaaaaggca gctcttcaat ggaattaacc gtgatataaa atgtttgata taggcagtac 780
ttttataaaa aaagataagc tgggaaattg ctccgtgtaa ttttttaaat aaaaagtcaa 840
```

```
<210> 4409
<211> 2602
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1151)
<223> similar to gi4884086 in the genepept database release 114,
```

Run with FASTXY 3.3t00, default parameters

<400> 4409

ggggaaacta	tgttcaagaa	agcgaaaaaca	aaagctaaaa	agaagccacg	taaacgttca	60
gatatgttctg	gaggttataa	ccttttcagat	attatttcaga	gtccatcatc	tacaggatta	120
ttaaagtctg	gtaagaccaa	ttctgtggaa	tctcttccag	aactgttgac	atcagactct	180
gaaggaagct	atgcaggagt	gggtagtcct	agagatttac	agtcccctga	tttcacaaca	240
ggatttcatt	cagataagat	tgaggcgaaa	gtcaaaccgt	atgttaatgg	tacatctcct	300
gtgtattcta	gggaagattt	aaaaccatgg	gaaaagtcac	caatacttaa	aatatctgct	360
ccacagccta	ttcccagtaa	cagaattgat	actaccagct	ctgccagttg	ggttgctggt	420
tctttcagtc	ctgtcagccc	tcctgttggtg	gatctcagaa	ctatcatgga	aatagaagaa	480
agtagacaaa	aatgtggagc	tacaccaaag	tcacatttag	gcaaaacagt	ttctcatgga	540
gttaaacttt	ctcagaagca	acgaaaaatg	attgcattga	ctaccaagga	aaacaattca	600
ggaatgaata	gcatggaaac	agttttattc	actccttcaa	aagcccccaa	accagtgaat	660
gcatgggcat	cttctctgca	ttcagtttca	tccaagtcac	tccgggattt	cttactagaa	720
gaaaaaaagt	ctgttactag	ccatagttca	ggcgatcatg	tcaaaaaagt	ttctttttaa	780
ggaattgaaa	attctcaggc	accaaaaatt	gtcagatgct	ctacccatgg	taccccagga	840
ccagaaggca	accatatttc	agatttacca	cttctagaca	gtcccaatcc	ctggctatct	900
tcttcagtgga	ctgtctccatc	catggtagcc	ccagtcactt	ttgcatctat	tgtagaagaa	960
gaactacaac	aagaagcagc	tcttattaga	agtcgagaaa	aaccgttggc	tctgattcag	1020
attgaggagc	atgccataca	agattttattg	gttttctatg	aggcatttgg	caaccctgaa	1080
gagtttgtca	ttgttgaaag	gacaccgcag	ggaccactgg	cagtacctat	gtggaataag	1140
catggatgct	agttcactgt	ggagttgaga	tgcattttac	ataattatga	gtttgttcat	1200
ataaagaaaa	gctgtggaaa	agagtccttag	agattttgta	atatcattct	aaatagatta	1260
agaaaagata	taatttcttt	actgcagtta	aatcatataa	tgtttgatg	attaaaaata	1320
aatttctcag	aattgtgatt	ttagtaactt	tatataaaat	gtgtgagaca	aaaacttatt	1380
aaggttaaat	agaattgttt	cttctgaata	atctaacaaa	ggaaaatata	agtgattgaa	1440
tcataagata	taaggggggt	aaagtattaa	aaataacttt	tttgtttgat	aacttgagaa	1500
tttagaagat	tttgccaagt	atgtgttggt	gcttgacttc	ttaaatatgg	cattgatgaa	1560
tttaaagtag	gagcatcagt	tattacttct	gattcattaa	tggccagaat	tttgtgttg	1620
gtgtaatagt	tgtgtcacca	ttctgttggtc	tttttaaaaa	tcaggctaata	catgtggtcc	1680
atgtctcttc	aaagcttgac	ctgcacaaat	gccatatttc	tatttggacc	acataattctc	1740
cattttgcat	tgagcagtag	agtacagtgg	aaagggaata	agaatactga	ttattctgaa	1800
cagtttagtc	ccaagagaat	agcgttttaa	aaaagaaaaa	caagatttgg	agtcattgtg	1860
ggttattttt	ggtgggatgg	aggatcttaa	aatgcctaa	ttgtgagaga	atcaattgct	1920
gaaagtgtta	aaatttctga	aaataaatgc	ttaattacat	atacaggaat	taaatagttt	1980
ggaagagggt	tggattatca	ttacctttac	aatactgtat	aatcagaagt	tctctgaacc	2040
tcaattgtat	atctagacat	aaaaattggt	ttctgtatag	gatgttggtt	ggtttgtttc	2100
tgagtgttta	aattttgcaa	aaacaaatgt	taaatttggtg	cttcagtacc	tagataaatt	2160
ggaaagggtta	atgttctagt	ttctggaagg	taagcctggg	agacacataa	gcaattcact	2220
gctataattt	agttgatgta	aaatgacgga	aactgactca	atatgtcagg	tttaactctg	2280
ccaaaagca	gcagacatgt	aagcagatgt	gcaataaaaa	atgatcttga	tccatttcac	2340
taatgtgtgc	ttgacatttt	ttactatatt	gacatttatt	atggaaagag	ttataaatta	2400
tttttctga	tgtgctacac	tagtggccag	tatatgggta	agttgatggt	gtattttattc	2460
taagacggat	ttaaaaaggc	agttttctaa	atatgaactt	gtgaattttt	gtatgtgtgt	2520
ttgagtaaat	tgagaaatga	attttataaa	tgttctattg	atgttgacgt	aaagaagcct	2580
tttgaagtaa	aaaaaaaaaa	aa				2602

<210> 4410

<211> 2402

<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc feature
 <222> (2403)...(1459)
 <223> similar to gi4884188 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4410
 aaaaaatttt ttttttgaga ggggggttta ctctttttgc ccaagaaaga gggcaaagg 60
 gttttttggg ggcaatgcaa cccccggggc cccctgggta aaaagatttt cccgccccag 120
 ccccccaaaa aaggggggat acaggggagg gccccccccc ccgggtaatt tttttttggt 180
 ttccggaaag acgggggttt cccagggggg gggggggggg ttggaaaccc cgccccccgg 240
 ggtgcccccc cccccccccc cctaaaaagg ggggggttaa ggggggaacc cccgggcccc 300
 acccccaaaa aatttattag ttttggtttt tgcttttttt tttgaactta acagatactt 360
 tattgctcac ctttcacaca aagcacacct ccagccattt tctttcacag cttgacaatg 420
 ttacatgta caaaaaccca gcaagaagca tcatgtcatg tagatttcag taaggagaa 480
 tgtaaacat caactcagcc aggcctttgt tttctgcagc aataataaag ggctcctgc 540
 acttagcaaa aatctgtctt aactttgtag tgcatttctt ccattacaaa aaaagttacc 600
 tgcttaaagc aaactaactt gtatttgctg agccagtggt attaaactcat gcataaaaca 660
 aatttcgggt tgctatttct tctagcaaat ttcaagtaaa aataagggtg aaggaggaat 720
 ttgttttggg tggatgcagg tcagtttgaa ttgctatact taactaaatg cctacatgta 780
 ctatagcttc acaacttagt ttgcttttat aatctttatg gattttggcc gtgttcaagg 840
 ttttcagagt tgagcatatg atacagtatt ccatcaacaa aataaggcta ctgaatgtgc 900
 tatctgcaga agagctcatt taataggaac tgacctaaaa gttccatcat gaagcacacg 960
 tggcataaaa gtcaaccggg gggcagaact gtgcttgga aataggcatt ggaatacttt 1020
 aagcaaaaaca catataaatg gttattcata tgcatattga aaacatgaaa actacttatt 1080
 aaagtctagg tgaatcctca ttttcaaaac tgcatttga aaacatgaaa actacttatt 1140
 caagtaattt cttcaaaaaa gtttgcatgt tctgactgtg gaattagtct actgggcaat 1200
 taaaggcaat ttttaaccacc ttttaaaaaa tttttcatag aaaggagaga tgttatgtgt 1260
 ttctcaaata aacggcatta tgtaagtcca ataaaaaat ctaacagaat tgaatgaaga 1320
 cctacaaatg cttatgccaa gcaggaatct gcctgccacc tgtggtctca cattaattca 1380
 aaatagggtgc tgaattcagg attctgaaac taagtttcta ttacttgagc tctagcaaaa 1440
 tgtaagggtc ggtagcctca actagtgtaa tgtcttccct gtccaaatcc agaatgatta 1500
 tactgataac ctccatgctg gaaatgctgt tcaaattgac ccccttggtg ataattctgg 1560
 ctccctcttc ctccccagcc tctccctgg cctgcacgac caccctggcc tccacgacca 1620
 cctcgcccac cacgaccacc accacgatca ccatggtgcc cgccatcttg gtatctattg 1680
 tctgtctggt agccaccacc ctggtatcca ctctctgtat atgaagaaga tgtttggaag 1740
 ccaccataac ctccgccttg atagccacca ctgctgtggc caccatgata gccacctggc 1800
 tggaaacctg aatctcgata accaccatct tggtagccac ctccctccacc actccctcca 1860
 tctgtccagc ctcttgatg cttatttctt ctctctcccc ctcggccacc atggtcatag 1920
 ccaccagtc caccctctcc gctctcttgc tcatgacctc ctgctctcc gtatgaggaa 1980
 gtgtcatagc caccctctcc tctctctcgg cctctgtttt gctgctgggg gccatcttgc 2040
 ctctctgccc accgtggcat ctctgggggt ggagggttca tttcattggg tctaccacct 2100
 ctgtcaggca cctgcccac caacacctta ttgatggcac aggcagtcct tctcttata 2160
 gagccgctgc ttgtccttaa aatctttgac aagtcctgcc ttgcagccaa aagatgggca 2220
 acagaaatag tagttttagg ggataagact gaacgtttcg gctgggtaaac cttgggtaat 2280
 ttttctgtct ggctcttagc tctgtcagac cagccaaagg attgtacagt gacatccaaa 2340
 cgttttatta gcagctttct ccggacttca tattcattgg ctatggcttg gtttaattgcc 2400
 ca 2402

09453725.043100

<210> 4411
 <211> 1418
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1419)...(394)
 <223> similar to gil817584 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4411
 tttttttttt ttacagttta actgctttga atagcatttt taatagcaaa aatgtgttta 60
 tactataata gcttacaacc atcttttcaa ccatcttttt caatacaaaa taaacatatt 120
 cattttcata ttttacattt ctcacctcta taacatatac aataaaaatc ccagacattg 180
 ttggctggct gattcttgca aagagatgca taagtaaact agtcaagtac atcttaacca 240
 ttttgggtgt catttagtca gtcagtcattg aaacagtaat atggagacat aattttgaaa 300
 attaagcaaa tgaatctgtt ctctagaaat gccttttctc gagttatagt attatatatta 360
 taactattaa aattttatata aatcagtagg ttttatttcc acaccttcac aatcccatct 420
 ctagaagcag ttacgatgaa gccctgtgtg gtctggaatg tggcgacatc agtgatgatg 480
 tcatgatgtc ccacgggcag ggactctggg ccccttcgag ggggtgtcatc acttggtcct 540
 actttctgct tattctgaat ttcctggaca acttcagtgc cttcaattat tttcctgtag 600
 taggacacag atggggaact agtacttcct gcaacaacat aggacctttc tgggtaagcc 660
 aagtcccaaa accttatttt catatctgag ccagctgtta gtaggatagg atttccatct 720
 gcaggactac agtagatacc atggacgcta tgaggagaag gctgtaattc agaaagtggg 780
 ggtgcactgc tggcccagag agtaaactct ctgtcaccag tctccatgtc ccacatggac 840
 acttcgttgt tgccctgaac agctgcaatc acccaggact gatacagagg gtgcattgag 900
 aggcgtctga ttcgagccct ggaaggatga cagtgcattg aaattggcaa ctggaacctc 960
 atgtcccaac aagccatggg accactgctt gtaccaatgc agagccagca ttggtggatg 1020
 tccacagcaa aggaagtgat gagggccgac tttaaatcat gctttaaagt ccacgcattg 1080
 cttgaagacc taagggtcca gccaccaga gagccattca cagtggcata ggcaagaaca 1140
 gactgtgctc cagagttgaa gtgatgcata tccacaacac aaccgtcctc cttctgatct 1200
 agaattctgc tttgtagagg atggatttta ggagacttgg gcagcttaga agcctcaatt 1260
 ccaagaagct ggacagcacc attatcagat gctatggcta aatagtggga gccttggcag 1320
 aatgtgagcg tcttgactcg tctccaatt cggctgtatg taagaataga tctggtagtg 1380
 gtgggtcttcc cctccatctt ttgactgttc cagatttt 1418

<210> 4412
 <211> 466
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2)...(300)
 <223> similar to gi2257540 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters


```

<400> 4412
aagaaggggtg ttgtgttacc cactctatcg ccatttcaag ctggtgatga aggcctacag      60
ggacactata aagatattgc aactgggtaa aagtgcagtt ttaaagtgtc tcctggatat      120
tcacaaaatt tttcaggaaa atgacccagc gtacatactg aatgatctct acatctcaga      180
ctactgtgtg tggattcaga aagtcaaadc caaaaagttg gcagctcttg cagaagcctt      240
aaaggaagtc tcccttacaagg gcccagct ggggttagaa ctggaagaac tagaagcagc      300
agcactgctt gtccaggagg aagaaactgc attaaaagca gccattcag tttctgggca      360
gcagacactt tgctccagct ctgaggcaag tgattcggag gactcagaca gcagcgtgtc      420
atctggaaac gaagactcag gctcagattc agaacaagat gaactc                        466

```

```

<210> 4413
<211> 717
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (48)...(567)
<223> similar to gi2149049 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4413
cgacccacgc gtccgcccac gcgtccgtac cgtaggagga cttatgaatt gacattgggg      60
acatcactgc gaggaaggct ctcaggaaac agctgcagtg caagaccttc cggtgggtacc      120
tggtcagcgt gtacccagag atgaggatgt actccgacat cattgcctat ggagtgtgtc      180
agaattctct gaagactgat ttgtgtcttg accagggggc agatacagag aatgtcccca      240
tcatgtacat ttgccatggg atgacgcctc agaacgtgta ctacacgagc agtcagcaga      300
tccatgtggg cattctgagc cccaccgtgg atgatgatga caaccgatgc ctggtggacg      360
tcaacagccg gccccggctc atcgaatgca gctacgcaa agccaagagg atgaagcttc      420
actggcagtt ctctcaggga ggacccatcc agaaccgcaa gtctaagcgc tgtctggagc      480
tgcaggagaa tagcgacctg gagttcggct tccagctggt gttgcagaag tgctcggggc      540
agcactggag catcaccaac gtcctgagga gcctcgcgtc ctgacccacc gggggcactt      600
ccggctgcct ctttgtact gtgtagcacc tgctgcaacg ttgcctgctg tccacgtggg      660
gttggtttga gtctggggaa ccagggttagt gggcccccaa gaagagcttt ttatttc      717

```

```

<210> 4414
<211> 1382
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (5)...(448)

```

<223> similar to gi6018823 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4414

```

ggtgtctcac cactacgtct ccacattcct gtccggagtg atgctgacct ggcctaattgg      60
acccatttat cagaagtttc gcaaccagtt cttagcattt tccatttttc agagctgcgt      120
ccagttcctg caatattatt accagagggg ctgcctctac cggtgcggg ccctggggga      180
gaggaaccac ctggatctca cagtgggaag gttccagtc tggatgtggc ggggcctcac      240
ctttctcctg cccttcctct tctgtggcca tttctggcag ctctacaatg ccgtcacgct      300
gtttgagctc tccagccacg aggaatgcag agaatggcag gtgttcgtac tggcggtcac      360
cttctcatc ctcttcctcg gcaacttcct gaccacgctc aaagtcgtgc atgccaagct      420
ccagaagaac agaggcaaga caaagcagcc gtgagcctcg ggctcctgtg ccctcggccc      480
ggacttcaga ctgcaggggg ctcccgggct ccttcccagc agccctctca ggcccgtggc      540
atcgttggga gagggcccag gccctggtcc ccagtggtac ccagtggtc tagaggaatg      600
tgagccccgc ctgtccgcac agtgtccgcc cacctattta tgacataatt aatgctgggt      660
ccccaatcgt ccctggaacc cgaggcctca ctctgtgct tgaagggtggc tgaggccggg      720
ccagtcttcc tggggatggg gcctgaagcc tcagggagcc cctctgttcc cactcctgtc      780
atgtgaaccc ctctgggtgg ggtttggatg tgcctcgcgg gggttgattt atgctgacct      840
gctacttacc aggccaggc tggggtggtg tgaacctca gtgtcctgtg gcgccccac      900
cccggggcca ctctgcttct gctgtgagcc ccctcctcgc ccaccccgcc acgtggtgag      960
ggttatttta agttctcaga gacccaccgc gtctgcctcg tgctcttctt gcccctggag     1020
cgctgggggc atcctgagtc aggtgtgtgag aagattcgcc accagagggc gccccggggc     1080
ctgggtcgtc caaggggaca aggacgttcc cgtctgtgct tcgggggttcc ctgaccccccc     1140
catcctgcag cccaccttcc tgcagtgtcg tggcagagcg ctgagagcca ccttggcggc     1200
ctcccggaag acgtcctcca cattctcccg aaacttggcg gaacattcca ggctgtctt     1260
gaagcctgat gagcaccatg gggattccca gggccaaacc tgtacacctc aggaaccact     1320
gcgcgacgat tgagcggtea ctctgtggct atcgttccgc tctctaggcc gcttcgtagt     1380
gc

```

<210> 4415

<211> 903

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (12)...(573)

<223> similar to gi639693 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4415

```

cggacgcgtg ggattccaaa ctccaagaaa atcctgaaag ttgcctatca attgttcggg      60
aaaaactcta caagggcata tcttgggtag aagtagaagc taaagtgcaa accagaaatt     120
ggatgcagtg taaaagtaag tggacagaaa ttctaaccac gaggatgact aatggtcggc     180
gtatatacta tggcatgaat gccctgcggg ccaaggtcag ccttattgaa aggttgtatg     240
aaataaatgt ggaagatact aatgaaatag actgggaaga tcttgctagt gccatagggt     300
atgttcctcc atcttacgtt caaactaaat tttctaggct gaaagctgtc tatgttccat     360

```


<220>
 <221> misc_feature
 <222> (28)...(542)
 <223> similar to gi3004821 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4417

agaaatcagc	tttcttcaca	gaagtcagtg	ccgtgggtac	ccattttaaa	atccctgcc	60
ctttgggcta	tcgtagttgc	acacttttct	tacaactgga	ctttttatac	tttattgaca	120
ttattgccta	cttatatgaa	ggagatccta	aggttcaatg	ttcaagagaa	tgggttttta	180
tcttcattgc	cttatattagg	ctcttggtta	tgtagatcc	tgtctggtca	agctgctgac	240
aatttaagg	caaaatggaa	tttttcaact	ttatgtgttc	gcagaatttt	tagccttata	300
ggaatgattg	gacctgcagt	attcctggta	gctgctggct	tcattggctg	tgattattct	360
ttggccgttg	ctttcctaac	tatatcaaca	acactgggag	gcttttgctc	ttctggattt	420
agcatcaacc	atctggatat	tgctccttcg	tatgctggta	tcctcctggg	catcacaaat	480
acatttgcca	ctattccagg	aatggttggg	cccgtcattg	ctaaaagtct	gaccctgat	540
atggggatct	cgctccatcg	cccaggctgg	agtgcagtg	cgtagatctg	gttcaactgca	600
acttccatct	cccagggtca	agtgattctc	ctacctcagc	ctcctgagta	tctgggatta	660
caggcgcccc	tcaccacgcc	cagctaattt	tttgatattt	tagtagagat	ggggtttcac	720
catgctggcc	aggctgggtc	cgaactcctg	atctcatgat	tcgcccacct	cagcccccca	780
aagtgctggg	attacaggca	tgagccaccg	tgcccggccg	cttcgcattt	ttcttttgca	840
ggttgcatgc	cagccaatat	tcctctgtgc	tgggaaggga	aagtttgagg	atgtatcaag	900
accatagcag	tggatctcac	tgctcttgcc	tactcagggc	tttatctaca	cattgatagc	960
ccctcagagg	aaaggcacca	gccgaagagt	cgacactggc	tctgggcttg	gatgctgcct	1020
ctgataaacg	ctgggcactc	tgaccctgaa	gccaggggag	gagtgccttg	cagctgcctg	1080
ggcacactcc	cctcagtcga	gttgccaggc	gaaattatac	agtggatggc	agctccacag	1140
agatgctaaa	gtttgaggtc	taagtgtcag	agagagctga	caatttttat	gaggaaagt	1200
aacaacaaca	ggtgtttatc	agtacctgag	aattatcatc	tagtttaatt	aagcaaaggt	1260
atcaggaggt	ctgttttcagc	tcattccctt	tagtatggcc	ctaaaaaatc	aacagaactg	1320
tcctacttca	tggtgcccga	ctagcaggca	ggtatgtgaa	cctaaagtag	aagtcctagc	1380
ttacatatta	ttcataatta	aacacagttc	attttattat	tctggcaact	agtgatattt	1440
catgattata	ggccttaaaa	atctaataca	agtacaatta	aaaaaagaca	tagaatgctt	1500
acacaatata	gaaggcactt	tgaggttaca	tgataaataa	aaatacatta	atagaggcag	1560
gattatttat	tgggttccttc	agtgtctgtg	tccatggtga	tcattgagag	cccagttttg	1620
tacttcacct	ttggcgaaat	agtgtttaa	aaaatggcac	caaaaacatt	aatagcagca	1680
gcaatataga	acacggtttg	ccattctcca	acagtgttat	caggggtcag	acttttagca	1740
atgacgggcc	caaccattcc	tggaatagtg	gcaaagtgtat	ttgtgatgcc	caggaggata	1800
ccagcatacg	aaggagcaat	atccagatgg	ttgatgctaa	atccagaaga	gcaaaagcct	1860
cccagtgttg	ttgatatagt	taggaaagca	acggccaaag	aataatcaca	gccaatgaag	1920
ccagcagcta	ccaggaatac	tgacaggtcca	atcattccta	taaggctaaa	aattc	1975

<210> 4418
 <211> 1919
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1741)...(1484)
 <223> similar to gi2295240 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4418

tttttttttt ttaaaatatg aaccatttta ttgaagaaca gttatacagt gtagctacag 60
atactgacta gatactaaat atttctgcct gatttttcat tgtcttcaca agttagggaa 120
tagaaatcaa aaaacaaaa atctcaaag atttagctgt ccagaacata tttgacaggt 180
ggataaattt ataacagctc tgacatataa atttctaatt agagaatcct ttcattttga 240
aaaaattgag atgataattac cctaatagaag tttttacctg aagttaacaa agtcctggat 300
ttgatatatt actttgaatg cattaattct gaaaatttat atttagttct actttataac 360
atctcttctc ttaaggatgg gatatgaggt acacatgagc tggtttctac agtatgaatg 420
tatgtacata tataaagtat gggtgtaaag gagtgggtga tttgcaaata aagcacatta 480
tacacaaaat ataaataact tcccttttaa aagttactga gaataaagaa tatagaacat 540
ggttataggc acttacattg ctatcaaagc caggaattca cttcaataag aagtgccttc 600
tttgtaagca tggttcatgg caatagaagc tccaactttg gagaggatgc tttccgtgac 660
aaaaataata accacaaaa aaatggtggt tgaaggaaaa cagtccaaat ttacagatgc 720
tttaaacttc ttttggcctt ggcacagctc ttcattgtaa aaaataaagc tgggtgggaa 780
gctatctcac ttgcaaagta aatggcttgt atgagattgg cgaatcttgg tcagatattg 840
cattttttaa gcacaaaacc accggccacc aatatcttcc tgtgcatgca tataaattat 900
tttcttctaa ttcaaagtc agcagaggaa tcccggcggt catgtgcatg gagacacaca 960
cacatcacta aggacacagg acaaactatc ataaaataag cagtatccca aacacatcat 1020
catctatagg ctgttttaca aaggtagaat acaaacgaac tgaatgtctc aggtaaaagg 1080
caaagtctat ttctccatct ctgctgcgct catttatctt cttaaggctt tcaacagaaa 1140
gcaccgtttt atgaaacagg caattcagta cccagagctt gactggagac actaatcagg 1200
attgaagtct tgatgcagtt cataaaaacc cacttaaaaa aaggcatcaa aaaccacatt 1260
taaaataaag ctgtccatat ataaagaatg aagtgtttag aagttcccag cttgtatcct 1320
aataagagta ctgaaaggtt taatattagc agcctgtgaa cacgtagtga agaaagagtc 1380
tgagaaccaa gttaacatcc ttattccact ctaattccac ccatgccatg ggtaaaaaca 1440
gttcttgcat tctagagttt ctctccgat ggtttaacca tcagattttt acatcttggg 1500
attcaaccat cttggcaagc gtcttcttaa ttctcaatgc tgtgagtcgt gaggctggat 1560
tgtgggcca gcattctgac attagcttca aaactgctcg tagacattca tcaactgttc 1620
accgattaga cacaattggc cgcaaacgtt tgacacacac aacctcacgc atatcttcgt 1680
atgacggatc actcggtagc atgttgtaat atggcaattg gtattcttcc ccgatcccta 1740
taaggggaat agaaaacatg ggcacaaaaa tgggtgctgg acaagatata ccaatctagt 1800
aagcatcttt tgctaaacta tggaactaaa acggattctt acacaagaaa aaatatagac 1860
cctatgattc cctcttaata gtagaagtat gtttttctct tatttatgtc caactattt 1919

<210> 4419

<211> 716

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (28)...(372)

<223> similar to gil841555 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 4419
actgatagcc ctcgaaaccg ttgaggaccc tccgggacga cccacgcgtc cgcacacagt    60
gggcatccag gatctccccg aggtagcctg agccgccacc ccagctccca gctggcaggt    120
cctgggggtgg aggggggtga aggcacccag aaacctcggg actacatcat ccttgccatc    180
ctgtcctgct tctgccccat gtggcctgtc aacatcgtgg ccttcgctta tgctgtcatg    240
tcccggaaaca gcctgcagca gggggacgtg gacggggccc agcgtctggg ccgggtagcc    300
aagctcttaa gcatcgtggc gctggtgggg ggagtcctca tcatcatcgc ctctgcgtc    360
atcaacttag gcgtgtataa gtgaggggct ctgccccgca tcccaagact tttcttcctg    420
ttgggagctg ccttgggccc attccctccc ctggggggag cccaactgat ggccctggcc    480
ccaccctaa ggaccaaggg agcctgagcg gccttgttta cagcttctgt cctgctcctg    540
catctttgac agggtccttt tgccaactgt aagggccttg cctcattccc tggcaatggt    600
tccaacctcc ctgcactaat gcctgcattc cctccggcct cttggccccc tatccctgca    660
cttctgggaa acctccctgg cactctggga aacctccctg gaacaacttc ccaaact    716

```

```

<210> 4420
<211> 1412
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1409)...(504)
<223> similar to gill109880 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4420
tttttttttt ttagtgtaaa cattcacata tttaatagta cttttaaaat aagcattact    60
acatttataa tggttccaaa atgaatctat aaatggtaat ataaattaaa aaatacgaac    120
ttaaagttaa taaattttta accttagcta tgggtataaat aatggtaaat gtatagtgtg    180
cctttgagtc attaaaatgt cttaaaagat aacagcttgt taccagaaca ttagaaacca    240
tagccatgat tctcaagcgt taacaatcta catttgatat tttcttggcc actgcattct    300
tcaatgaata ataatttcca gaattccatt ccatgttgtt ttccaataga tcttttcaca    360
ctcgatgttg aatacatggc tctttgcaga tgaataaaac aagtgcattc agttagagaga    420
tccattttgc gaaggctcat tgcactgaag gaatctctgt gggcaggtga caggcaatac    480
tgctttgtat aactgaggga tctttctgtt gatcagtggc tgtagggcct ctttaaggcg    540
atgatagttt ctctccagtt ccctttgata ctcccttttg tccggcccaa ttaagctctt    600
attttttctt aaggcatctt cacacctttt agtaaaatct ttaaagcaga gtcgcagttt    660
attatgatgt ctgaagagct ttgggtcact aggtatttca gacagaaaaa cctgggcaac    720
ttccaaaggc ccctgattca ctgtggtgcc tacagatccc tggagtacca tctgaagcat    780
tttggggtct gcgggaccc gatgtgttgc aaatgccaac tctgtgtctt ttttctgcat    840
gtcctcaata gcaacttcaa ttgggtgttaa gatgatctct tctttatgag tgacattgac    900
ccttgtttta atataaggaa aggcattgaga cgtagtcaga atggctctcc ttttgaattg    960
ttcatgaagt tccccatggg cacggccatc taaagtaaag ggtgtacagt acatgaatcg   1020
acgaagattg taatttttgt cgaaatagggt gattctgtcc ttcatctcat atgtgtcaaa   1080
gtatggctcc acataggtaa tctgaatata tgccttggtt ggatctaatt tacacttgct   1140
tacaggatta gagtctttga ttacttcaac cacatcctct ccaaactctt ctccgtaaaa   1200
tccctccaat ctgtgagata tctctgcaag tttggttatt gcaggctcct tgtaaacaaa   1260
ttcttgttca tccaaatccc cgaacttggt tccataaaaa ccaacacgaa aatagggtgcc   1320
aaacatccgc tcccagccag tactctgatg aacaattttg ctgaatgctt cttgaagttt   1380
accatgaatt gtggatagtt tctttgatcc cg                                     1412

```

<210> 4421
 <211> 1887
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1890)...(1515)
 <223> similar to gi2394310 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4421
 tttttttttt ttaaaaatca aaaatgaaat atttattacc gctttttgtg acttaacacc 60
 tttttttttt taacataacg tcacagtcct catacaagta ttttaatgta aatttgacaa 120
 agcttaaagg taacagcatt ttcttctagt gaggaacacg ttgctgagaa aagaagaatt 180
 catgggacat acaataccaa ttccacaggc agatctgata ctaggcaaaa acattctttt 240
 ttttttcaat tgagggtaaa cacataggaa tatctaacat gaaacaatta atagaccgaa 300
 ctctgtacgg agttttgtta cagtattctc tttgtctcct tttatccccc caagctttga 360
 gtttctgata aagtcctagt tatggttcaa tgaccattaa taactttttt ttgtgttgag 420
 gaaagctgcc caacttaaga ttgttttgtc cacaaccaag gctcagaact cctggaagaa 480
 gctcctgctc tgtcttttaa tcttcattgg caagctcttt gaagaagagt cccccaaaaa 540
 taataataag aattggccta tggaagcacg gaactataaa ggatctgttt gaaactaaag 600
 gccacattta tggggggaac aaaggtcatc atgatctcca gtgtggttct tttctcattg 660
 ggagtgatga gggtcagcca aaagttcatc atgatctcca gtgtggttct tttctcattg 720
 gcccaaccag gtttaaaata tataccacag tctcgtcctg gatggtgaat tctctgatga 780
 accaaaacag tcattctttt ggggaccaac acacataggt gtggaaaaca aggatataatt 840
 tttttttctc ttctaaaact atttgaggca accataacgg cgtgatcaac agaaatgtac 900
 caagttaaac cttagtctcc tatattttat acctaccagt agttataact ctcgagagtct 960
 ttttccagag gatctttaca tggacagaat tgtctcagtc agcccatgat ttcacatttg 1020
 tgttcttggt gcattggtcc tctgttgctt gatgaaaaat gacaaaagta aaaaataatc 1080
 acagctgtct ggaatttcat attaatgtgc aacatctggt caaagttcag aaagtcttaa 1140
 aatagttttt gcgtgtgttt ccttttccct tgagttccct tatactattg ggcatgaatg 1200
 tccataacct gtccgccaac attgggatct acagaattta acattgtggg gctctgtgcc 1260
 taacataatc aatcccaggt gggtaagggg tccccccgtg catcatcatg gctgggtggt 1320
 ggggatggct tggcaaatat gaatgcattg ggggtccatg tcttaattga gtagggtgtg 1380
 gggcatctg gggaggagtg taacttggtt gtgccatact cattcccata ggaccaccct 1440
 gagaaacgta gtcccctggc atgctctgca aacttcccc ttgctttgct attgctttac 1500
 atgatgaagg ttacatgtag tgccattgcc catccatgcc catattcatg cccattccac 1560
 tcataggtcc tgcaggccgg atccccatgt gttgctgacc atccaacaca aagctcccca 1620
 tgggtgacc ctctggacta tatgctgctc cttggctcac tgctcgattt gactgggtcaa 1680
 tcatgggctg tactattatt cttctggcat taataaacca gttgtttact tggagaattg 1740
 taagtctgt gtcttgctt aactgtttct tctgctcttc ggaagggtac ggatgtgtga 1800
 gatgctggaa gagccatgct ctcatgatat ttgttgctac tttggggaaa atgcctcttt 1860
 tcttctggcg ttttttgtcc ttatccg 1887

<210> 4422
 <211> 1152
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (61)...(946)
 <223> similar to gi3875428 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4422
 gcggccggct gccggaaaga gaactcactt gaccttcgct ctgagtttcc aaggggcagg 60
 gattccgagg actttaatgt aaaagaggag gctaagtctg ctgctgaaga gatccgttat 120
 acccacattc tcaatcgggt actccctcca gacatccgta tattggcctg ggccccctgta 180
 gaaccaagct tcagtgtctag gtccagctgc cttgagcgga cttaccgcta ttttttccct 240
 cgtgctgatt tagatattgt aacctaggat tatgcagctc agaagtatgt tggcacccat 300
 gatttcagga acttgtgtaa aatggatgta gccaacggtg tgattaattt tcagaggact 360
 attctatctg ctcaagtaca gctagtgggc cagagcccag gtgaggggag atggcaagaa 420
 cctttccagt tatgtcagtt tgaagtgact ggccaggcat tcctttatca tcaagtccga 480
 tgtatgatgg ctatcctctt tctgattggc caaggaatgg agaagccaga gattattgat 540
 gagctgctga atatatagaa aaatcccca aagcctcaat atagtatggc tgtagaattt 600
 cctctagtct tatatgactg taagtttgaa aatgtcaagt ggatctatga ccaggaggct 660
 caggagttca atattacca cctacaacaa ctgtgggcta atcatgctgt caaaactcac 720
 atgttgata gtatgctaca aggactggac actgttccag taccctgtgg aataggacca 780
 aagatggatg gaatgacaga atggggaaat gttaagccct ctgtcataaa gcagaccagt 840
 gcctttgtag aaggagtga gatgcgcaca tataagcccc tcatggaccg tcctaaatgc 900
 caaggactgg aatcccgat ccagcatttt gtacgtaggg gacgaattga gcacccacat 960
 ttattccatg aggaagaaac aaaagccaaa agggactgta atgacacact agaggaagac 1020
 aatactaatt tggagacacc aacgaagagg gtctgtgttg acacagaaat taaaagcatc 1080
 atttaaccat agacaatttg ccaggatcta ggaaccacct aatggtaggt ggacagaaaa 1140
 ggaaaaaaaa aa 1152

<210> 4423
 <211> 3086
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(1167)
 <223> similar to gi5921397 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4423
 atggaaaaaa ttctccaaat ggctgaaggt attgatattg gggagatgcc ttcatatgat 60
 ctggtgctgt ccaaaccctt caaaggtcaa aaacgccacc tctcaacatg tgatggtcaa 120

aatcctccta	aaaagcaagc	cggttccaaa	ttccatgcga	gacctcgttt	tgagcctgta	180
cattttttag	ctagtagttc	aaaagatgaa	ggacaggaag	atccttatgg	ccctcaaaca	240
aaagaggtaa	atgaacaaac	acatttttgcc	agcatgccaa	gagacatcta	ccaagattat	300
actcaagact	ctttcagtat	acaagatggg	aattctcagt	attgtgattc	atcaggattc	360
attctcacaa	aagaccagcc	tgtaacagcc	aacatgtatt	ttgacagtgg	gaaccctgcc	420
ccaagcacca	catcacagca	ggcaaaactct	cagtcaactc	ctgagccttc	accatcacag	480
acatttcccc	agtctgtggt	agccgagaag	cagtatttta	ttgaaaaatt	aacggcgaca	540
atctggaaga	accttttctaa	tccagaaaatg	acttctggat	ctgataaaaat	taattatata	600
tatatgttaa	ctcgttgtat	tcaggcgtgt	aagacaaatc	ctgagtatat	atatgtctct	660
ttaaaggaaa	ttcctcctgc	cgacatcccc	aaaaataaaa	aacttctaac	tgatggctat	720
gcttgtgaag	ttagatgcc	aaatatctac	ttaactacag	gttatgtctg	cagcaagaat	780
gggtccagg	atcgagctac	agagctagct	gtaaaaactct	tgcagaaacg	tattgaagtt	840
agagttgtcc	ggcggaaatt	caagcatata	tttggagagg	acctcgtggt	gtgtcagatt	900
ggcatgtcct	cctatgaatt	tcctccagct	ctgaagccac	cagaagacct	ggtggtgctg	960
ggtaaagatg	cttccgggca	gccaattttt	aatgcttctg	ccaaacactg	gaccaatttt	1020
gtcattacag	aaaatgcaaa	tgatgcaatt	ggtatcctta	acaatttctgc	ctcattcaac	1080
aagatgtcaa	ttgaatacaa	atatgagatg	atgccaaatc	gcacatggcg	ttcgtcagat	1140
gtttttacaa	gatcactgct	tagctgaagg	ttatggaacc	aagaaaacaa	gtaaacatgc	1200
agctgccgac	gaggctttga	aaattcttca	aaaaacacag	cccacttatc	catctgtcaa	1260
aagttcacaa	tgccatacag	gctcttcacc	cagaggatct	ggaaagaaga	aagatataaa	1320
ggatcttgta	gtttatgaga	attcttcaaa	tcccgtgtgc	acgctgaacg	acacagctca	1380
gtttaaccga	atgacagttg	agtatgtcta	tgaaggatg	acaggcctcc	gctggaaatg	1440
caaagtgatt	ctagagagtg	aagtaattgc	agaagcagtt	ggggtgaaga	aaactgtcaa	1500
atatgaagct	gctgggggaag	ctgtgaaaac	cctcaaaaag	acccagccaa	ctgtcattaa	1560
caacttgaag	aaaggagctg	ttgaagatgt	gatttcaaga	aatgaaaattc	agggccgctc	1620
agcagaggag	gcttacaaac	agcaaatcaa	agaagataat	attggaaaatc	agctgctgag	1680
aaagatgggt	tggactggtg	gtggttttag	taaatctggt	gagggcatac	gggagcctat	1740
ctcagtga	gagcagcata	agcgggaagg	gcttggtctg	gatgtagaga	gggtgaataa	1800
aattgccaa	agagatattg	aacagatcat	cagaaactac	gcccgtctcc	agagccacac	1860
agattttgact	ttctctagag	agctgactaa	tgatgaacgg	aagcaaatac	atcagattgc	1920
ccagaagtat	ggtcttaaga	gtaagtctca	tggggtgggc	catgataggt	acctagtgg	1980
aggtagaaaa	agacggaagg	aagacctact	agatcagctc	aaacaggaag	gccaagtggg	2040
ccattacgag	cttggttatgc	ctcaagcaaa	ttgagatctt	actaatttat	tttgtaaatg	2100
cctaagtagg	cagatttttg	aattaaagaa	atgctacatg	ttccggttgc	agagtatat	2160
cataagatgt	ctcaccttgt	tcatttcaca	tagtggttta	ttagatattg	gaacctaaag	2220
aattctgtcc	acttgatatta	gcttaatcca	gcagatgata	ttgtgcagtt	actgtttgtg	2280
tctttgat	tgctgtgtcc	ctcagatttt	agtagtttga	caagcaagaa	cacatatcca	2340
aatggaattt	taccctgaga	aattatcatt	ttaaagggca	tagcacagca	atctgcaaca	2400
atatgtaaag	ttgatattga	ctacaataaa	aatccagctc	taattccaga	tttactgaaa	2460
atgtcagatc	attttgtatt	aatctatttt	catctttgtg	tgaagccagt	tatagaatgt	2520
ttgacaataa	attgtgctgt	acacgtaaat	gtccttacca	actaaatgat	gtaaaacttt	2580
cttaaagtaa	tttttagtgt	tatttattta	taacttctac	catgtgattt	ccagactatt	2640
ggaagtgatt	tactgtatct	tgtgatata	gggttttaac	aaattctagt	cttcacgctg	2700
agagagcacc	tacttgagag	agcagttgaa	agtttccaaa	aactttgggt	caatctgaag	2760
aaaggaagct	tgaactgttt	gttcttggtg	ccttgacag	agactcacag	caactctcca	2820
ttatagcttt	cacaccgggt	tggatgtgca	gcacatccaa	ggcaaccaca	gctgtggtag	2880
agcttggtta	aagactgaag	atacattgg	gctttgatga	aaaggtcagt	tggctgggtcc	2940
ctctctcaaa	aagcttatta	agcctgaaaa	gccaactttg	taacatat	aaaactgcta	3000
ttttcgctta	tttctggaat	gtaaaaaaa	aaaaatgtat	aaaaagaatt	agtgtttgct	3060
tcctgaataa	aaaggagcca	aagttg				3086

<210> 4424

<211> 549

<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (540)...(240)
 <223> similar to gi2887421 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4424
 aaaccttaga aaaataagta attcttttat ttctacttca aaatatacca tgtacatctg 60
 gaactctaag ggggaaagta accaggagaa tagtccatca aaaaaataag ataaataata 120
 attgcccatt tcagatccat ctttaatcca gctgaaaagg gtatgagctg ccagttgtct 180
 tgctgtcagg ggccacccct ctgtcagtgg ccttgcggtt gcctcccaag gactctgagt 240
 ctaagagttc ctggagcgtc ttgaggacgt gctttggctg gctggcggca aagtccagca 300
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 tcccgtggg tccaggcagg gtgccattcc tgggtggcgt gtccaggaag tgccagagga 420
 tgggaaggac atgccgctca acagcttgag gcttccgggg gtaaaactgag gccaccagca 480
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 caagcgctg 549

<210> 4425
 <211> 2431
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (520)...(1205)
 <223> similar to gil747519 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4425
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 agctgcttcc tctttatttt ttaaagtgtat ttttacattt ttagagatag ggctcactc 180
 cattgcccag gctggagtg cagtggcgtga tcatggctta ctgcagcctc aaattcctgg 240
 gttcgagcga ccctcccacc tcagcctcct gagtagctgg gactacagct gtgttctact 300
 atgcctggct aattatgtag aaatagggtc tccccatctt gccagcctg gtcttggact 360
 cctgggctcg agcgatcctc ctggctcagc ctccaaaagt gctgggatta caggtgtgag 420
 ccattgcgtc cgactatgct tgattgtcca aggatctgat ttctaggatt tgtggggcca 480
 gtctctctcc attgcctccg tcctgctgtc tcttgcttct acagggatct ggacaactct 540
 cctctgtccc caccttcacc aaggacaaa agcagaacgc atactcgggc actcaagaag 600
 ttaagtgagg tgaacaagcg cctccaggat ctccgttcct gtctgagccc caagccacct 660
 cagggtaag agcaacagg ccaagaggat gaagtggctc tgggtggaagg gccaccctc 720
 ccagagaccc cccgactctt cccactcaaa atccgttgcc gggctgacct ggtagattg 780
 cccctcagga tgtcggagcc cctgcagagt gtggtggacc acatggccac ccaccttggg 840

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cccaggaccc taaagctcgg agtggctgac atcattgact gtgtggtact aacaagttct 960
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cttgtgtggc atgtgtaccc aggatgggcc tataggtcac agagggtcagt ttctcttttg 2340
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<210> 4426

<211> 2447

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(472)

<223> similar to gi5912004 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4426

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atccttcttt gataatattt cttgtgatga caatagagaa cggagaccaa cctgggctga 240
agaaagaaga ttaaagtctg aaacatttgg aatcccactt cgtccaaacc gtggccgtgg 300
gggatacaga ggcagaggag gtcttggttt ccgtgggtgg agagggcgtg gtggtggcag 360
aggtggtacc ttcactgccc ctcgaggatt tgcggtgga ttcagaggag gtcgtggggg 420
ccgggagttt gcggattttg aatataggaa aaccacagct tttggaccct aaaaggtctg 480
gattgatcgt actgctttct gaaagaaaga caacaaagtt gctgcatagt ctacaaacaa 540
gtctctgaaa ataggtgaat ttctagctct tcatggtcct gaacattgat ttcagtcttt 600

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gcaaagaatg	aagaagtga	ttcgctgtac	atttgtcacc	agcactgggt	ttttgttttt	660
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catcttaaaa	catgagcatt	aaatatattt	ggaatagcag	aagggttaagt	aattttcttat	780
gtatagttaa	actaaagcag	tacttcagtg	ggacttaaca	agtatttttt	tcatcactga	840
aagggttttt	ttttttatca	ctaaaattgta	tttggcaatt	gcaagttgcc	tgcaaatagg	900
gccgtgataa	ctgtgttttg	agcccacaga	aggggtgtgt	gtgtgtgtgt	gtgtgtgtgt	960
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gttctacttg	ctctgaaatt	atgagtttat	gcgttttccc	agccctccga	atcactgact	2340
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<210> 4427
 <211> 1785
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1786)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1740)...(1185)
 <223> similar to gi4160304 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4427
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acggggccctg	ccctggcgca	cggctccttc	tcccttggga	aggcagctcc	actggtgaaa	180
ggccactgac	caagtccaga	ccctgaggac	gacgaaggcc	tcggggcaga	agcctgagag	240
aatcatgccc	cactggcagt	gggagggcgg	tgcaggctgg	gagccctgcc	caggccccag	300
gctgagctgt	ggggaaagct	atgacccagt	ttgctgagag	ctgcaatgac	gaacattggc	360
tctgtgcccc	gaggcccaag	aaggccatgg	actgggctgg	cctttcctgg	gaaaggggga	420
aggaggaaga	actggggcct	agcagggccg	tctataccct	ggagaggcag	ggcctgactt	480
ctcccttttag	agcttgcac	aagaggaggc	tcaggagaga	gagacttgca	tcagaacact	540
ccagacagcc	gatctccac	tcagtattcc	tctcctggga	gacccaccca	gaccctgcag	600
gcccctggca	gccacgagga	gcagagaccc	tggagtaatt	tggcttgggg	acgtccccac	660
cccaggccca	ggccagtcag	tcacccaggc	tacagcttag	ggtaggggaa	ggggaggatc	720
ccggtcactc	cttcttacta	tgcgaacaga	ggcagaggag	ggatagaggc	ccagccccag	780
tttgggtctg	tgctggggct	ggcagaacct	gtgggcatga	agcttccttg	ccccatgtga	840
cacctcgcta	cggccccaca	tgtcttgctt	catccttggg	gctgggcac	tagttggcaa	900
ggcatcccca	caccctccct	ccccttcatg	tccacgggga	ataagacaca	ttgggctctg	960
gctcctaggg	tgagagccgc	tcccgagcc	cgcaggcttc	tactttggcc	ccacagcccc	1020
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caaatagctt	cagggggctc	acggatgaca	cgtcctccga	ggggctcctg	ggagacagct	1620
tccctgcccgg	gccaaagagc	ccttcatcag	ggtccacctc	ctcgtcaaag	atggtgagcc	1680
ggggcgaggg	cttggtcttc	acggccaact	tgggatgttt	cttcggacgc	gtggtcgacc	1740
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<210> 4428

<211> 2186

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1711)...(965)

<223> similar to gi4688672 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4428

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cttggggatc	ctggagcgg	gtcacagtga	gcattcggtc	agccggggag	acagacgcca	180
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cctgggtgac	ctgagcctca	gtcgccagcc	accctgctct	tgtgccagcg	ccacctccag	300
ctccctcctt	ggtttgctgc	tgcgaagctc	tacgggctcg	ccgccgccct	tgccacactc	360
ggtgccacaa	ggcacagcgc	cagctcgctg	aggagggcag	ggatgcccc	ttccctgctt	420
cacctgaga	ccattcttgg	gctgcctcat	gtcccttggg	cccccgctct	gccagggctg	480

cgtggctggg	ctgccccctct	tctccagggg	ctccatgctt	tccagtgggtc	aggggcaggt	540
cccctggctg	cccaggggctc	tgcattggccc	agtcctgcac	catctctcca	acctctataa	600
ccatctcttc	taccctgtct	tccccaccgt	cccctgcaca	tccctgctgc	tcctctttcc	660
cctcctcaca	gcagtttttc	tgtccatcta	ctttgagtct	tttgcttggtc	cctccctgag	720
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ggggtaaaag	gatcggcgta	gcagagagca	gggagctggg	ggagctgggc	tgcaagaagag	900
ggagcagccc	ccagtcccga	ccccgggagg	aacggcgctg	gtactggagg	cttcggcagt	960
aattggctgc	tgctcggcag	cagttctgta	ggcgcccagc	cacccggctg	gtcacattgg	1020
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cctcccagag	attagaaggc	aggccccctg	ccacaggcag	tgctgaccc	tcccgcaggg	1140
acagcagggg	gccacgaaga	tccaacaag	atacacagga	gaagaactgg	gctagcaggg	1200
aactgagggg	ctccacattt	atgctggggt	ccagtcttga	ggcatccctg	gggaaactgc	1260
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<210> 4429

<211> 5264

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5266)...(1205)

<223> similar to gi3882325 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4429

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cttaagaaaa	ctttgagtaa	actctgtaca	ttgccagtta	atctttttcac	aataatttaa	180
aaatgggtgt	gctgttggat	catcgatgca	agaagaccaa	caataaaaagt	acagtacaag	240
gaaattcaca	acataattaca	gtggaacaga	ctgagtcaca	tttaggtgat	ggcgaggaca	300
cagtagcggt	atatacatgc	acccgaagac	gtgcaagcca	agtaggataa	tataaggatc	360
atacagtga	ttttctaagc	ccactgagga	ctttgtacct	tttcaaaatc	atcctgtatc	420
ccctccagca	tacagaatat	ctgtcttgct	tactggcttc	atggcttttt	cactacaaaa	480

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acagtgc aaa	tttaacagag	gcagtcaggt	attgacagcg	agggtgttca	gaatctctta	660
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<210> 4430

<211> 2216

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2217)...(487)

<223> similar to gi4884120 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4430

tttttttttt	tggcgttttg	ctctgttact	ttataaccct	ttcatactag	ttgaactttt	60
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aaaaaagaaa	agaattaatc	acagtggaa	atgaaatgga	atgtcaactt	tggggacggg	180
tcatccagag	gagtccaaga	gccccaacat	ggtcgcgtgt	ctctgggtct	caggatcatca	240
cccagcctca	cccacagggc	accgcacag	gcccgtggcc	accgtgcaag	cttcacttgg	300
gtgcctgcgt	gggaacgcac	cacctgccc	ggaacttct	cctgcggggc	agaggagggg	360
tccagaagcc	acaggagtca	agtcagcaaa	attaagttaa	tttacaaagt	tatagtaaaa	420
accacaatag	tgacccagtc	cctccacagc	agtgtagacc	ctgtgagggtg	ccagcacggg	480
ccacctcaca	gggcaaagg	ggtgaagaag	atgtgcatct	tggccaggaa	ggtggtgacg	540
gagccctgcc	tccagagctt	catctccacg	tccagggcaa	agtcccgggg	ctccagcacg	600
gcccgtgca	ggtagaccac	accggtgtag	gcattgagcc	tgcgcgtgcc	aaagtagccc	660
tcctcattgc	ccttgatgat	gttcaggggc	atggtgtccc	ccgtgaaggc	tggcgcgggg	720
ccaatgcgga	agatatgcgc	aggcaccagg	aggcccgtct	ggaagttgag	ctggtagtgc	780
gtgatgcgcg	ctggcgagtt	ctggcactcc	aggaagtcac	ggcacgtggt	gcgctcgcac	840

04662-1310

<211> 660

<213> Homo sapiens

$\langle 220 \rangle$

<221> misc feature

 $\langle 222 \rangle \quad (5) \dots (200)$

```
<223> similar to gi5020264 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters
```

aacagtggaa	gtaggaggcc	caggcaatct	gtctcctcca	ctccacctg	ctcctcccc	60
tccaactcct	ctggaggagt	caactccagt	cctgctttca	aagggcagcc	cggaaagaga	120
agactcatcc	aggaaattga	ggacagatct	ctacatagac	cagctgaagt	cccaagacag	180
ccctgagatc	tctagcctct	gtcagggaga	ggaggcaacc	ccaagacaca	gtgacaagca	240
aaattcaaag	aatgctgctt	ctgaggggaa	aggctgtggt	tttccaagcc	caaccagggga	300
ggttgagatc	gtctcacaag	aagaggagga	tgtaacccat	tcagtacagg	agccttcaga	360
ctgtgacgaa	aatgacactg	tgacagacat	tgcccagcat	ggcctggaga	tggtgaggcc	420
ctgggagga	ccccagtggg	tgacaggtcc	ccttctactct	cccaccctga	aagacgcgca	480
caaggccag	gtacagggcc	ttcagggtca	ccagttggag	aagagccttt	cccacaggcc	540
cagccttcgc	cagagccatt	ctctagatag	caaaccacg	gttaaagcc	agtggactct	600
cgagggtccc	tctccagca	gctgtgctaa	tcttgaaaca	gagaggaatt	ctgaccctct	660

<210> 4432
 <211> 3311
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (3312)...(640)
 <223> similar to gi5725508 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4432

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cctttagggtg	atggatttta	acactgaaga	cagtcgtggt	cattcttgaa	gacagcttgg	180
ggtccagctt	tggagcctgc	tttgacattc	accattgact	ccctgcccc	cgctctctt	240
gtactaattt	tttcccctgt	gaggtagatt	atttatcggg	gaaaccagat	agaatttttt	300
tttttcattt	aagtttgcta	gtcctttgca	aacagactga	cgctgagtgt	cctgtctgag	360
tcaataagtg	cacttttacc	ttttaacct	tgccctctac	ttgaaccga	gcaaggtcca	420
gtccactgga	cagttgatga	tagggtctgc	cgccccatac	cctctcctct	tcccccttag	480
gaatttggtc	agtactggag	gggttgcggc	aatgggaggc	ctgggtgggc	cgtgctgcct	540
tgatatggcc	aagggactca	gtcaccacag	tggagaccct	tgtctgcacc	tcagtaccgc	600
atgtccagga	gcacaagact	ggcccctgcc	cccctgaatc	acagggggca	cagctggctt	660
tcgcagggtc	tggcatcctc	gggtttcaaa	gccttggtgc	aggtggcaga	ggcctggccg	720
gaggggtccc	tgcactctac	agttcgcctc	tgccagcccg	ccccgcaggt	gctagagcac	780
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tggctccgct	gcttcacgtc	aatattagtg	gcaccagctg	ggatggtgac	aatgtcattg	1200
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gcggggaaca	t					3311

```

<210> 4433
<211> 551
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(552)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (197)...(439)
<223> similar to gi6014636 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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agccccgtaa	tgatgtaaag	caggtcgttg	ttacattgta	ataacaatct	gcggtaccgt	60
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catgtggact	cgccggaagg	tctttgaagt	aacattaaca	ttaagacaag	tttcctcgcc	180
ctgtctttct	tcttagatcc	ccctagctca	gtcggaggcg	ttcctaacgg	atcttttgga	240
gaaagtctgt	gagcgaatga	acgactacaa	gcttgaggaa	gaccctgtga	cgaaggagag	300
aactttcaag	agattcgctc	ctaggaaaag	agacaaaata	taccaagaat	ttaaaaaatt	360
gtatttttat	tctgatgctt	acagaccttt	gaaatttgcg	tgtgaaacta	taatagaaga	420
gtatgaagat	gaaatatcct	cacttatcgc	ccagggagac	acactattct	agcntgacaa	480
gctgttgcag	ttgaaaaaatt	caggggtactg	tgttntgatt	gttaaccngt	ggntcgggtg	540
ntcgcacacc	c					551

<210> 4434

<211> 641
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(642)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (20)...(340)
<223> similar to gi2959884 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4434
gaccacgcgt cgcgccaata caaaagtgag aacatgtatg cataatcaga aggatgcagt 60
gcagatgcct agtgaaactc tgaaagcaaa aatggtacct gagaaagttc cccgcagatg 120
tgctactggt gctgcaataa aaataaagat aatgagtaat ctaaaagaaa cgatctcagg 180
accagaaaat gtctggatta ggaagagtag cagaaaactg ccccatcgaa atgcttctgc 240
tgcggtctaaa aaaaaattac tgaatgttta taaagaggat gatacaacca taaattctga 300
aagtgaiaaaa gagctagaag atattaatag aaaaatgctt tttttaaggg gggttcagatc 360
ctggaaagaa aatgcacaat agtgactatg agaatgtaga agtggcatct gaaaacaatt 420
ggtacacaag taaactggca gttacattct gctcccagct ctaaaattac tcccttattg 480
gcatctttgg aggaattttc taaaagccat aatccagtgg gttcctccca gtcagctctt 540
gtacagacat gtgctctggg gaattctgag gaggaataaa attgcagagt ctgtangtgg 600
agaggaggaa agaaaagaca aatggtctgc tataagacta c 641

<210> 4435
<211> 5662
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(2934)
<223> similar to gi5689451 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4435
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tcaccagcct gaccctgctc ttaccaagga gtttgattac cttccccagc tggatagcag 120
gtccagttca ggggttgtgg ggctgagaaa tgggtgtgca acttggtata tgaatgcagt 180
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cacagacaat ccagatgata gcgtgtttta ccaagtgcag tctctctttg gacatttaat 300
ggaaagcaag ctgcagtact atgtacctga gaatttttgg aagattttca agatgtggaa 360
taaagaactt tatgtgagag aacagcagga tgcatatgaa ttctttacta gtctcattga 420

tcagatggat	gaatacctca	agaaaatggg	gagagaccaa	atttttaaga	atacatttca	480
gggcatctac	tctgatcaga	agatctgtaa	agactgtcct	cacagatatg	agcgtgaaga	540
agctttcatg	gctctcaatc	taggagtgac	ttcttgtcag	agtttgga	tttctttgga	600
ccaatttggt	agaggagaag	ttctagaagg	aagtaatgcg	tactactgtg	aaaagtgtaa	660
agaaaagaga	ataacagtga	aaaggacctg	tattaaatct	ttacctagcg	tcttggtaat	720
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```
<210> 4436
<211> 1857
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1611)...(1440)
<223> similar to gil890141 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400> 4436						
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acctgtcctc	cacctgagg	acctcaggg	aaccaggaag	gtgaggggct	ggctccgccc	540
cacctgtagc	acaagagctg	gcccaggaag	aggctgaaga	tgtgtttcta	gttctctgcat	600
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<210> 4437

<211> 1063

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1064)...(82)

<223> similar to gi4680663 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4437

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ctttggcaat	ctcttcacaa	aatatttcat	caggaataga	tactagttag	tccaaagaga	180
tgtagttagg	ttttgctgga	tcatactgtg	ctcttcctaa	ataggtaaga	aacaagtgtc	240
tttctttgac	cttaaacagc	cttgatttaa	atacctgtgg	gaacttgaca	atgatgtggg	300
ggggaatgct	catcacattg	tgcacaaaat	caaacgtctc	ggtaagtttc	attttatttg	360
cagttaacat	ctttgggatt	ctggtgatca	tatgttgaat	ttcgttatgt	ttaaaaccaa	420
gttcaagacg	ataaaccttc	atattttctt	tcacgggttc	cagacttcca	gttagcagcc	480
ttgggagacg	aactaccaga	tctctagtct	tcttcacact	aagttcaagt	tctttctgaa	540
aaaatcccaa	tctgttatcc	agtctttcca	ctgaaaagtt	cagcaaaaat	ggtgcttttc	600
tgaccatctg	tgcaacatct	gctttactga	aattttttga	atgcagataa	gccaccctgg	660
tcttcagatt	ttcaaggtct	tcagagaaaa	ttgcatgatt	ttttgtcagg	aatgctccca	720

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gttggttatc ctctataccc acatctttaa gaaacagaag catttgctta atgtcttttt 780
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tgaatgaagc tgggtggcaat ggaggggtctg caataatctg aatagcctct tcctctgaaa 960
ttggctgcat tggagacaat ggaggcaatt catccagttc ttctagaaac agctcagaat 1020
caaagctgga tatatittgt gtcttctgtg actgttcatt cat 1063
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```
<210> 4438
<211> 5286
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(5287)
<223> n = a,t,c or g
```

```
<220>
<221> misc_feature
<222> (1)...(4588)
<223> similar to gi5689461 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

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tggagctggc cgtgggcacg cccccccgc ctcatgttca tggaggagga ccaggcctgt 180
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cctctgggtg tctgcgtgga caaactcacc aaggtctaca aggacgaca gaagctggcc 300
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<210> 4440
 <211> 2858
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(2859)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (2618)...(1776)
 <223> similar to gil086794 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4440

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tatctgaaca	ggattccgta	gaaatgactt	agatgcttat	ctagtatttg	acattgagat	180
atztattttg	tgaaacaatc	gcaagcgatt	ttaaatcccc	acatactatt	tgattaagtg	240
caacatggta	cagtcattgt	taatctcttt	acacgatagt	gcatctagtc	cttagccttt	300
agttattgca	caacaattat	aaagaccagt	gaccaggaca	cgtggactct	gacaggcaga	360
tcggcctaca	caacgaaaaa	tcagaacagt	acaccaactg	gaatgggtcaa	acaatttaag	420
tcaaatgttt	taatggtgca	attaaaataa	gggttcaaac	atgttttcaa	tatattaatt	480
tctttaaagt	catgttcagg	caaggtgctg	tttaaaaaac	cactattagc	tttgtccaca	540
catgtaagtt	atcaaaaagt	acccaaggta	attttgacgt	tgaatgcagc	tttaaacat	600
aaaaaaatgg	tattaggttt	acttctcgaa	gcaaagagag	ccccaacct	tgtaaactaa	660
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tcacatacgc	tctgtgtctc	ggaaaacatt	caagattagc	tagccccag	gtggttgtag	1020
ctcattgggtg	aaaggccttg	gatggtttga	tctcatggct	ttgcctgatg	ttcacataaa	1080
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aacatctgac	atcacccatc	atggctgatc	agcagcctcc	acagggtggg	ctttcaggag	1740
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cacatgaact	aaagtcactt	ctctctctcc	aagttttggc	cgagctttca	gctccacatg	1920
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caaggttcct	ctacattctt	gtacttcaac	agtgagcagc	aggggtgtgt	tggagacttc	2040
ttcgatcttc	tttttaataa	actctgtctc	tgttgctttt	tggaaatatt	ttgacttggt	2100
aattttatca	acaaacctca	taatcttact	tgttcgatga	cctccaacgt	acccttcagc	2160

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ttctttgcca	atttctccaa	ccttcagggc	ttcaacaaga	ggctctttac	ctagtttggg	2340
caaattcatt	ttggctctcg	gagtcatcag	aaaggaccca	ttgtaggaca	tttccaaatc	2400
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cacgccccatg	tcaagtccg	tcagagttag	ctcattcata	aagtagggga	gctttatttt	2520
gctgagtttc	atttggtatc	tcttagacac	cagatcagac	cagtatttct	ctcctaagaa	2580
gtcccaaaat	attcttccaa	gcaaggcatt	cacccaggct	tcctgttctt	cctcctcaga	2640
gggtggaacc	tctggcaact	tcttcccagc	tgtggggctg	ctctccgcac	tctgcagggg	2700
gctcctctgg	gggcttcggc	tttctggggg	gacacacctg	cccatgtaca	cgctgtagtc	2760
gagaagcatc	ttctgcccga	cgaagcctgc	cagctccttc	tgctttgggt	gtgacatgat	2820
cctcgtgcca	ancttggcgt	antcgtcgta	cgctgcg			2858

<210> 4441

<211> 1123

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (28)...(281)

<223> similar to gil439654 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4441

cgaccacgc	gtccgccac	gcgtccggaa	gaaataaaaa	atttgattct	accatatatt	60
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aaaggatttg	acaaagccac	ttttgaaagt	cagatgtctg	tgatgagggg	tcagatctta	180
aaccttactc	aggcattgag	agacgggaag	agtcctttcc	agctagtaca	gataccttgt	240
gtgattgtgg	aacgcagtca	agggtggaagt	cagggtcgga	ttgtccacct	gagcaattcc	300
tttaccacga	ctgtcaattg	caggaagcca	tttttttcct	cctggtagta	aatgtcagag	360
taagagaaac	aaactgttta	gaattatcat	gtttttaaaa	catcatagta	atataaatct	420
gctgttagga	gctccagttg	ctaaaacctc	aatttaagtc	tttaaaaggt	tgtattttga	480
atgtaaccaa	aagttttacag	ttttttgtcc	aaatattaaa	tttctatttc	agggaagaag	540
tgctatatct	cctatatattg	attttttag	aaaatttgta	ttttatgttg	ttgttagttt	600
aaaaggtaat	tttacacatg	ctggaatgac	tgtaattact	ctagaattcc	aagtagaata	660
caataacttt	taatattgag	aagaatgttc	atgctaattc	ttcttacatt	acaaaaggcc	720
tttgaggatg	cctacgtctg	aaattgctct	tacgaacttt	aataaaatag	ttagctaata	780
gaaaaacagg	taagaataaa	gcaatgttgc	cttaatttca	aaagctgcta	ttttagaatt	840
tgaataagta	ctcctaaagt	gaccattatt	agggaccaga	aaattatatc	ttggctaagt	900
aatagaggac	catttttggt	tttgtacttg	agaatatatt	tggtgaatta	ctttgttgta	960
gtgaggaaaa	aacctaaaga	atttcccctt	tttttaaaaa	atggaaatat	tcaattgaga	1020
cttgaggggg	ataatagaaa	attaaggtag	atcccccccc	aataattttg	aataccaaaa	1080
ttgccttaaa	aattcccttc	tgctcgtctt	tcgcagccgt	ata		1123

<210> 4442

<211> 2133
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc feature
 <222> (1155)...(1587)
 <223> similar to gi5832793 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4442

gaatgtacat	ggaaaggatg	gacaaaagag	ctctgattag	tttttgggaa	tctgtggaac	60
attttaaagaa	tgctaacaag	aatgaaattc	cacaattagt	tggtgaaatt	tatcagaatt	120
tctttgtgga	gagcaaagaa	atatctgtgg	aaaaatcact	ttacaaagaa	attcagcagt	180
gtcttgtagg	aaataaaggt	attgaagtat	tctacaaaat	ccaggaagat	gtttatgaga	240
ccctaaagga	taggtattac	ccttcattta	ttgtcagtga	cctgtatgag	aaattgttga	300
taaaagagga	agaaaaacat	gcctcacaga	tgattttcaa	caaggatgag	atgggcccac	360
gagatgaggc	tggtgaggaa	gccgtggatg	atggtaccaa	tcagatcaat	gaacaagcca	420
gttttgctgt	aaacaaactg	cgagaactaa	atgagaaact	tgaatataaa	aggcaagctc	480
taaattctat	tcaaaatgca	ccaaaacctg	acaagaagat	tgtttccaag	ttgaaggatg	540
aaataatcct	aatagagaaa	gaacgcacag	accttcagct	gcacatggca	agaacggatt	600
ggtggtgtga	aaaccttggc	atgtggaaaag	cctccatcac	cagtggagag	gttacagaag	660
agaatggtga	gcaattgcc	tgttactttg	tcatggtaag	cctacaagaa	gttggaggag	720
ttgaaactaa	gaactggacg	gtccccaaaa	ggctcagcga	gtttcataat	ttacaccgga	780
aactcagtga	gtgcgttcct	tctttaaaaa	aagaccagtt	gccttctctt	agcaagctgc	840
ctttcaaatc	tatagatcac	acgtttatgg	aaaagtttga	gaatcaatta	aataagtttt	900
tacagaatct	gctttcagat	gaaagactgt	gtcagagtga	agcactttat	gccttcttga	960
gcccttctcc	tgactacctc	aaggttatcg	acgtgcaggg	aaaaaaaaat	tctttttcat	1020
tatcctcatt	tttggaagaa	cttcctcgcg	acttcttctc	ccaccaggag	gaggagacag	1080
aggaggacag	tgacctgtca	gattatgggtg	atgatgtgga	tgggaggaaa	gacgccttgg	1140
ctgaaccatg	tttcatgttg	attggggaga	tttttgaact	tcgaggaatg	tttaaatggg	1200
tgagaagaac	attaattgcc	ctcgttcagg	tactttttgg	aagaaccatc	aacaaacaaa	1260
tccgggacac	agtcagctgg	attttcagtg	agcaaatgtt	ggtttactac	atcaatattt	1320
tccgggatgc	tttttggcca	aatgggaagt	tggcaccacc	gaccacaatc	agaagcaaag	1380
agcaaagtca	ggaaacaaaa	cagagagcac	agcaaaagct	gcttgaaaac	attccagata	1440
tgcttcagag	ccttgtttga	cagcaaaatg	cccgccacgg	tataataaaa	atattcaatg	1500
cactgcaaga	aacaagagcc	aacaagcatc	tgttatatgc	gctgatggaa	ctgctgctaa	1560
ttgaactgtg	tcctgagctg	agagttcatt	tagatcaact	taaagctggc	caagtttgag	1620
actacacaaa	taaaccacca	gaaaaatgtc	tgtgtaataa	tagacatgaa	acattttcct	1680
cttttccaca	gagggttaa	ctgagaaccg	tattgatatt	tatttttagtt	acctccctct	1740
agttttatgt	gaaattagta	gaatcaggga	ggacgggact	tatgctgtgg	taggcaacag	1800
aaaaaaaaact	ctattgattt	taatttaata	tgaatacttt	aaagatcaac	ataccgattg	1860
aaatacaaat	gttaatatgt	gagaacctag	gaagtatttt	aaatattttat	gaaaatattt	1920
tgtttttaaaa	tgaactatga	atattgtaca	gttaattttc	tcactgagga	ctgtgaacat	1980
tcttatatta	tttcatgtat	attgaagaac	attgttatgc	aatgctttgt	gtaaagtatt	2040
tgtgaagatt	ttattgtctt	tatttttacc	aaagatttcc	catagtttga	gcattcaaag	2100
caataaaaata	taaaaatgaa	tcacaaaaaa	aaa			2133

<210> 4443
 <211> 595

<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (541)...(372)
 <223> similar to gi496139 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4443
 ctttttttct tttttttata aaacatgtca catcttgatg cagttgatgt caagtgtgct 60
 taagtcatta tgaatcaaga gactaacaat agtggctgca gaaacagggt tgttgtctgt 120
 acaaagactt caggtaaatt atagtacttc catgttagct gtgcatgtcc accacgcttt 180
 gtctgtaact cgagtagaaa aagatgttgt gttttaatta atcattcctt acaattcaag 240
 atgaactcca catattttaag aattcttggc tgaaagaaaa gtcttcaaga tactggatgc 300
 ctctcaccac ttgacaata aacacacaag aaaaccattg tgtaaggcac tcaaaagggt 360
 cttatcaatc acgagagatc agtcacactg acattcattc ccatgccagg actcacgtaa 420
 gggacagcat gcactgcttt gggaaattct ggagtcataa cacgtccatt ttctccagta 480
 cttcctgtaa ttgacagcct tgccttggtc ctcatggcat cattcaagggt catcttaaat 540
 gagagaggag ggaaagaaaag aaaaagagat catacgttat ggttttcaaa tgcatt 595

<210> 4444
 <211> 2078
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (2)...(1411)
 <223> similar to gil464742 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4444
 cggcccatatta attgaccttt gcaaaggggc acatgaaaca cacactggaa agattaaaac 60
 catccaaatt tttacgaatt cctcaacata ttgggagggc aatccggaaa tggaaacatt 120
 gcagaggatc tatggaatat cctttcctga taacaagatg atgagagact gggaaaagtt 180
 ccaagaggaa gcaaagaacc gagatcacag gaagatcggg aaggaacaag aacttttctt 240
 tttccacgat ttgagtcctg gaagctgttt ttcccttccc agaggagcct tcatttataa 300
 tacgcttaca gatttcatac gagaggaata tcacaaacgg gacttcacgg aggtgctctc 360
 tcccaatatg tacaacagta aactctggga agcctcaggc cactggcagc attacagcga 420
 gaacatgttt acctttgaga ttgaaaagga cacttttgcc ctcaaaccga tgaattgtcc 480
 agggcactgt ctaatgtttg cccatcgctc acgatcttgg agggaaatgc ctattagatt 540
 tgctgatttt ggagttctgc atagaaatga actgtcgggg actctcagcg gcttgaccag 600
 agtgaggcgc ttccagcagg acgatgctca ctttttttgc acagtggagc agattgaaga 660
 agaaataaag ggggtgtttgc agtttttgca atctgtttac tcaacatttg gcttctcctt 720
 tcaattaaac ctgtcaacaa ggccggaaaaa cttcctagga gagattgaga tgtggaatga 780
 ggctgagaag caactgcaga acagcttgat ggactttgga gaaccgtgga aatgaaccc 840

004333E 04400

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aggagatgga gcattttatg gccctaaaat tgacataaaa atcaaggatg ctattggcag 900
ataccatcaa tgtgctacaa ttcagctgga cttccaactg cctattagat ttaatctcac 960
atatgttagt aaggatgggg atgataagaa gagacctgtg atcattcatc gagccatttt 1020
gggatcagtg gaaagaatga tagccattct ttcagaaaac tatggcggaa aatggccttt 1080
ctggctatct cctcgtcagg tgatgggtcat cctcgtgggg ccaacttgtg aaaaatatgc 1140
acttcaggta tccagtgaat tttttgaaga aggatttatg gctgacgttg acttggatca 1200
cagttgtaca ctaaataaga aaatacgaata tgcacagctg gctcagtata attttatattt 1260
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aattcatgga gagatttttag taacttctgc cattgataaa ctgaagaatc tcaggaagac 1380
acggacactc aatgctgagg aggccttttg aagtccttcc ctgatatttg cttctgtgta 1440
actttgtttt gacccttaaa aatgtatttt tcttaacatg ttagtacttc tacgactttg 1500
gagccactga tgggtccact catggcctca gctgagaaag gagacgatga acgtgtagct 1560
gacatgcacg aagtttaatt tactcatgtc cacgggggac gtttagaggg cacgtgggaa 1620
attttccagc aatcaatgcc ttgagaaaact taaatgggga aatattattc atcgagaaag 1680
tgaaacaaaa cactaggaaa tgattatgaa atgttagtga ttttccaaaa gatgggcctt 1740
caaataaaaag tctgccagag ttttttttaa aataggaggg aaaatcctta ttttcctaata 1800
atgtcctcag gtatttttat gaccttccta cctaaaattc cacacctgaa actttatctt 1860
cctaaactgg aatccattac cttaatttta actaaccaac aaccacaaaa gcgagcagct 1920
actgcctaaa tattggatta ctgacaaagg aattcagttt tgtggaatct ggtgtttgca 1980
ctataggtta agagttgccca tttaaatgtt tcttattcat aattaggttt tgttccgctt 2040
tagaaaaaaa taaattccca aatgaattgc aaaaaaaa 2078
```

<210> 4445

<211> 417

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(155)

<223> similar to gil881713 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4445

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cttcaagatc cagaagacga ggctgcagcg agagggccttt gacccacgcc agacctcaga 60
ccggtcttct ttcctggacc tgaagcaggg ccactacctg cccttaaata aggcaagtcta 120
cactcgcata tgcctggggc ccttcgccct ctgaagctgt tctctacttg gccacaaact 180
ctgggccttg tgggagaggg cagcttgagc cagacagcgc tgcccagggg tggccgccta 240
gtacacaccc acctggccga gctgtacctg gcacggccca tcttggaact agaaaactgga 300
acctcagagg aacccgtgcc tctctgctgc cttggtgccc ctgtgtctgc ctctctctcc 360
tgcttttcag cctctggctc cttccatccc tgtccctgtc tggccttaac tcttccc 417
```

<210> 4446

<211> 2378

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2376)...(1477)
 <223> similar to gil072384 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4446

ttttttttgt	ggcccccttct	gttttgtttc	cagtttagacg	tgggaaaaaac	caattcaatt	60
ataaagaata	catcttattc	cctgggcata	ggcaactgtg	atgaaaatag	caacttacct	120
ttgggctaga	tgttttcaga	ttatgcttaa	ataaccgtgg	ttagaaattt	ttcaatgcat	180
gctttcctgc	cccacgcaat	ctccctgaat	ttagctaaaa	taatcaggca	caggacagtc	240
tcaaataatg	attaaaaat	gccatgctaa	taaacaaggt	tatctagaat	gcaacctcgg	300
tgctttaaaa	acagatagaa	taaacctcat	caataagcat	tttcctaaat	ctctttgtgt	360
tatatcaacc	aacataaaaa	agggaaaaaac	ataaaagtgt	ccctttataa	atgatattat	420
ttccagaaga	gaaagttgaa	acaaagggtt	gtaaagtctc	ctgaactatt	cagtttaata	480
accaattatc	cctcaatatt	acaaaataaa	atgactggat	caatgttgac	tcttctttga	540
tatcatttat	aaaatgcttt	gatattactt	actaagttcc	ctgataactc	aaacaaggta	600
aaattaacac	tttcattttc	agttattgct	attttagaag	aggattacca	ctttcattta	660
gatgaaactg	ttttaccaa	gcctcctcag	atccaacaca	aagtaattct	tattgcctca	720
catttttaaaa	cagtattata	aatgatcttt	ataaaaaggt	ttaatccaca	aaactggaag	780
gcttttaaaa	aatgtctttt	tactcaaaac	tgtatcacag	tgcccttgat	tatctaatag	840
ataaaaggga	tttgaatttc	ctctatgaga	acagaacagt	ggacatatgg	tgtgctttgt	900
cttccccctca	cctttatctt	tatagcacac	cattttgaga	ccaaaacaat	caagcatcta	960
ccatgctcca	gtccacatta	acagaggatt	tctgatgctg	tccagtgcgt	agtgtaccgc	1020
cttgcatatt	ccccacatga	aataaacata	atatacaaaa	tattgctgct	gtaaaaagtg	1080
tacatttccc	tcttccccct	acaaaaaaat	ctgtggaaaa	gtattaaatt	cccttaccct	1140
ttcataaaca	aaccaaagct	gttcacacct	tacagtctgt	aacagtcocat	ttggaaacac	1200
agttccaaaa	tcattacaaa	ttggttatgt	cattgcattt	tctgtccaat	gttgccatct	1260
agagtagaaa	tgtgaaatca	agagtatttt	tgagctacta	aagcctttta	taactaaacc	1320
acaaaggctg	cttactgatg	aaacagccac	ttatccacaa	ggtttttcca	aaaactagat	1380
ggaatggaag	gatctcttca	cagggagggtg	tccacagtgc	tgaggtgaca	atatggctgc	1440
taatagatac	tggctactgg	aatgtaagta	ctttttcact	gctggtaatt	tccatactgt	1500
ccctggctcat	atccataagg	cctctgctgg	gggtggctgtg	gtggtccagg	ctgtgttggt	1560
ctatatcctc	catactgctg	accttgtccc	tgtgggtagt	taggatactg	aggacctgga	1620
ccaccctgtg	aaggaccgta	gcctgctgc	tgtcctgggt	aaccttgctg	ccctgggtac	1680
tgctgctgct	ggggtggata	tccctgttgt	ggaggtgggc	cctgggtatgc	atcttgctgt	1740
tggccatact	gtgaatttcc	tccctcgtag	taatgtttgtg	aggaatcctc	ataaggccta	1800
tcgtagcctt	gttcaggata	cgacggttgc	tgataaccgt	aatcattatg	accatcaggg	1860
taatattgct	ggttcattgcc	ttctggagga	ccttgtccac	catgactgta	ttggtccccg	1920
taatagtctt	cctggcctga	gtactgctgt	gggtggccct	gttgaggagg	tctataggga	1980
ggaatctgtc	tctgacccat	catatgattg	ccttgggttaa	cttgacccat	cattcccata	2040
gggtggctgct	gtccttggtg	atgctgtccg	cctccctgtg	gcataattgta	ttgctgagaa	2100
ggaggtgctg	gatgcatcat	tggaccttgg	tttggctgca	tactcatatt	tgggtctggga	2160
ccatagtttc	ccattgggtg	tccctgactc	attgtcatct	gattctgtac	tggcatgctc	2220
tgtgatgatg	gcacagaatg	gttgtaacct	cccattggatc	catggctact	tgaaggcata	2280
ttcatggaac	tgtttgtcat	attgagttga	ttgggtccag	gtccctgcat	aggcatatgg	2340
ttagggccag	gcactctggc	gttcactctg	tctcgtgc			2378

<210> 4447

[illegible]

```
<210> 4448
<211> 3734
<212> DNA
<213> Homo sapiens
```

3123

<222> (1)...(2391)

<223> similar to gi5882216 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4448

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gttatccaca	ctggggagaa	gaatcttaag	tgtgattact	gtgacaagtt	gtttatgcgg	2040
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taatggtttt	tatataaaat	ggttcctgat	ttattttcag	ccagtaatca	aaacagactg	2520
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aaaactgagc	atgtgtcctg	ttttaagtgg	tggactggga	gggaagtgtc	aacttctgag	2640
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ctcaaacaaa	tcagatttat	ttcacattct	tccattatc	cattttcctg	ctggtcctgt	2760
gacttggtaa	cattctaaac	ggtccttgcc	ccatagccat	cctgattgct	gatagtgttt	2820
tatgcagact	cttgtgactt	atactacca	cagaatggat	tgggacacag	cagcataagt	2880
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09453735.012100

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ggaagtttag ggtagatctt gttttccaaa gtttcggcag gtgcctggag ggcaaataaa 3000
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tgcccaagaa attagctttg atggaagcct gagcaagtca cctgcttatt gtaacgtgga 3120
gatctttgta ggtttagaca tggctccctg tctccagtaa acatccagcc attcagacaa 3180
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aggtcttccc agttgtctca gtgctgagga acctcatcag agaagcatgg aagatgccaa 3420
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cagcttagtt aagtcaccca tgcacctggt cattgtgtct cccatgcaca tccagcgttt 3540
ctcagaagca gaccaccct taagttgaca ggattgatgg aacatgctct cctgctcaag 3600
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<210> 4449
<211> 1262
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (15)...(656)
<223> similar to gi4406663 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

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<400> 4449
cggacgcgtg ggctggtcca gtctcgctga gtgccaaaat tgaaagaaag ggatactgta 60
atggagaagc tattccaatc tatgcagaaa tagaaaattg ttccctctct ctgattgttc 120
caaaggctgc tattttccaa acgcagacat atttggtctag tggaaaaaca aagaccattc 180
gacacatggt cgccaatgtg cgaggaaacc acatcgcttc tgggagcaca gacacatgga 240
atgggaaaac gctaaaaatc ccacctgtta ctccatccat cctggattgc tgcattatca 300
gagtggacta ttcccttagct gtatacattc acattcctgg tgctaaaaaa ttgatgctcg 360
aactgccatt agtgatcggg acaattccat ataatggttt tggcagcaga aactccagca 420
ttgccagcca gttcagtatg gatatgagct ggttgacact gacctgccca gagcagcctg 480
aagcaccacc aaattatgca gatgtggtac cagaggaaga attctctaga cacattcctc 540
cttaccctca accccctaac tgtgagggag aagtgtgtct tctgtgttt gcctgtatac 600
aagaattccg gtttcaacct ccacctcttt attcagaggt tgaccacat cctagcgacg 660
tagaagagag ccagcctggt tctttcattc tctgaacgta tttcagaaat cactgtgttc 720
atcatcaaat tagaatgttg gttcttttcc ttctgccttt ttgggagaga gacaggaaaag 780
attcacttga aaacataaat gaacgtcaag actgaaggca atagaaatta aagaatgtga 840
gaaagtctct gtgggccggc aggattgccg cacaagggtt atatgatgg cgtatatata 900
tccctgttaa aaactgggat gaagatgtgc aaagtcacag aatgtaatgg aagtcctgat 960
ggttacagag taagtgaag ggtgcctgct ctgacgtgag agaaaggaat ctgtaaacag 1020
tggaacact gtgggagttt cccatggtga agagtggaa gaaggcgata tgaactgaag 1080
gggtgaagac ttgatttttg agagggcaac aaaacaaggg tgtgtgtgca taggagaatg 1140
gccactcca aatacgaagt gagatcctga gtctttgggt gcttcatgat ttccatccat 1200
attcaggcct aaagacattg aaaaagcatc tcaaataaaa ggaacatttt ttttccctct 1260
tt 1262

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00403722.04100

<210> 4450
<211> 746
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(674)
<223> similar to gi3628757 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4450
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tgaaccttct cttcaacaag cgggagttct tcatctgcat cgcccagggc atctacacct 120
ccgtgctcat gttcttcatt ccctatgggg ggtttgctga tgccaccgga gatgatggca 180
ctcagctggc tgactaccag tcctttgcag tctgtgtggc cacatccttg gtcattgtgg 240
ttagcgagca gattgggctc gacacaggct actggacggc catcaaccac ttcttcatct 300
ggggaagcct tgcgtgttac tttgccatcc tctttgccat gcacagcaat gggctcttcg 360
acatgtttcc caaccagttc cggtttggtg ggaatgccca gaacaccttg gccagccca 420
cgggtgtggc gaccattgtg ctcaccacag tcgtctgcat catgcccggt gttgccttcc 480
gattcctcag gctcaacctg aagccggatc tctccgacac ggtccgctac acacagctcg 540
tgaggaagaa gcagaaggcc cagcaccgct gcatgcggcg gggtggccgc actggctccc 600
ggcgctccgg ctatgccttc tcccatcagg agggcttcgg ggagctcatc atgtctggca 660
agaacatgcg gctgagctct ctgcgctct ccagcttcac caccgctcc agctccagct 720
ggattgagag cctgcgcagg aagaaa 746

<210> 4451
<211> 1774
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(1248)
<223> similar to gil762 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4451
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gggtggtggat taccagaatg gggttttaca gggttttctt actttgctat ggccaggcaa 120
agttaaagta tccgtatctc tgggtccacc cagtgaaggg atcagagttc ttcagcgctt 180
acaggaagat aaaccagaca ggggtctatt caagagtctc ttccgttcag gaagaatttc 240
tgaaactact gagtgcacac tgtgtcttcc tgggaatctg cccctgtgta actttacaga 300

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cctctacact ggggagccct ggttctgctt caaaccaaag aagctccctt gcagcagcag 360
aattacccat ttcaaagggtg gatacctgaa aggtctccta accgctgcag agagtgtttt 420
cttccagagt ggtgtcaata tcaaaatgcc agtcaactcc agtggacctg attgggtaac 480
tgtgattccc aggagaataa aagaaactaa cagtctagaa ctatctcaag gctcaggaac 540
ttttccttct ggggtattatt ataaagacca gtggaggccc agaaagttta agatgcgtca 600
gtttaatgac cctgacaaca ttacagagtg cttacaaaga aaagtgggtgc atttatttgg 660
tgactcaaca atcaggcaat ggtttgaata ccttactaca tttgttccag atttagtgga 720
gtttaacttg ggtagtccca agaatgtggg tcccttccct gcagtggacc agaagcacaa 780
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ctggacttaa tatgatgact tataaggagc ttaaaaaatg caggttacat ttatatctac 1440
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ctatattgct cttgtaacca aagatgctaa tgagtgtatt tgaattagct tctcctagga 1560
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ggtagtagag tgtttgtagc ttatctggta aaggaaattg agtgcactct catgcatagc 1680
acaagtaatc catcttctgg cggttaacta gagaaagctt atagtcagag gctcttgtga 1740
atgcactgaa gactgctgtg tctcaggagt ttct 1774

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<210> 4452
<211> 1729
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(491)
<223> similar to gi2317725 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 4452
cgctgcgcag ttttgttctg ctccagctgt tcgaagggtga tccaggttgg ccaggttcat 60
ggcggcttga tgggaattat tcagagagct atgggtcaagg cttgtcctca tgtctgggtt 120
gaacgctcag aaatgaagga tcgacacctg gttactaaga gactaaaaga acatatgtct 180
gataagaaga aactacccat actaattttt cctgaaggaa cttgcatcaa caatacttca 240
gtcatgatgt ttaaaaaggg gagctttgaa attggaggaa ccatacatcc agttgcaatt 300
aagtataacc ctcatgttcg tgatgcattt tggaaacagta gtaaatacaa catggtgagc 360
tacctgcttc gaatgatgac cagctgggcc atcgtctgtg acgtgtggta catgcccccc 420
atgaccagag aggaaggaga agatgcagtc cagtttgcta acagggttaa gtctgctatt 480
gctatacaag gaggcctgac tgaacttccc tgggatggag gactaaagag agcaaagggtg 540
aaggacatct ttaaggaaga gcagcagaaa aattacagca agatgattgt gggcaatgga 600
tctctcagct aagaggacgg atgacagcct ttagatctag aactagccct tagaaatgga 660
atggcttttt ttgttttgtt ttgttttatt gttttgtttt tattattgtt aatcttttct 720

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acagaatgat	tgtctctacc	tctttatgcc	agaggcagaa	cctacaggtg	cccttttttg	780
cttttgttgt	tgttgtaaca	ttagcccat	ggattgtaag	gtggtttact	gagttaaaac	840
agattctgct	tttgtaaaat	gatggcatca	ctgtggactg	aatgaaatat	ttgtatagaa	900
aaaagtgctt	gaaaagtgtg	tttggaactc	atcgataggg	taattctcca	aaaatgccca	960
aactctcttt	ctgtaattag	ccttgccact	ttcttcagtc	acttaaatgg	tgagattaca	1020
catcagtgc	agatgaccat	tatggttatg	gtctactgca	aggttgaaaag	gaaaaatgga	1080
ggattgtatt	taggaaaagg	gacaactttg	tggccacctg	ctctgaaaag	caaaaggaaa	1140
tgtaaattag	tgtcattagt	gtgttggaag	agaaatacta	ttcagtaagc	ttcgccaaaag	1200
aaaagtgagt	caaagttaat	gtgtgtgtgc	atttatatgt	aggcagctcg	tagaccacat	1260
tttagccagc	aactggtaac	aaagagctta	gttttccttg	tttgaatgct	gtagatctgt	1320
acctagtacc	cctcccatct	actgatttgt	ttgtttttgt	aaccaaacac	attttcagat	1380
agaaggagcc	ttaaaaaaa	aaaaaatcac	attgagtaac	ttcagtataa	atgaatgaaa	1440
gggggggggag	ctaccctca	tcctccaccc	ctttgggctt	tttattcccg	aattttccca	1500
gtctttttaa	caaaaaaagg	actgatataa	ttattttttg	gaaactgagc	cttaattttt	1560
tttagagggg	gaaataagtt	ttccccaact	cacacagcat	aagcaatggt	tgacagcaat	1620
ataatgccgt	tgtaaaactac	tgagagtatt	gtatctgttc	tggttaaccat	gtacagaatg	1680
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<210> 4453
 <211> 2049
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1771)...(736)
 <223> similar to gil065948 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4453						
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caagaatatg	ttaactttgt	gccccccaac	ctgccccgc	cccagatacg	cagcaaaaca	120
cagtagtgat	ttcaaatatc	cttgatcatg	accaacagga	atatttcaaa	gtcaagtttg	180
caactcaaaa	gtagaccttg	gaaaaacttt	gaattaaaag	agaaacataa	agctctcaca	240
cagaattctt	ttatctgccc	taaaatcaat	gccggcgcac	caccacctga	caatactgct	300
aggatttttc	tttatgcata	gtataacgac	tcattttatta	agtacccact	tttataaata	360
aaatcggcat	tttttgtccc	gcttaatggt	ccttttcagc	ttcacaaaaga	aaccagtaaa	420
taaaactgtc	aacgacagtc	acaacatatg	ctctcacagc	aagataaaaa	aacttgaaaa	480
tacgcagaga	tgcattctacg	ctatttttaca	taaaaagaga	gattcaaaaa	gtgcaaggca	540
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gaatgaaatt	ccagtttgtt	cttcatgaca	ccgtgttaaag	tctttcttta	aacgacaaca	660
aaaaaaagcc	aaaaatacat	cccatcaagt	gtacaatggg	agtcttgtgt	cctaaaagtg	720
aggagttcag	ctgtggcgag	tccgtccttt	ctttattctg	gcaggctttg	gtttggggat	780
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tggtttttctt	ttctgtgggt	catcctgggc	ttcggagaga	aactgaattt	cacttccgct	960
accaacaagg	tttttaatta	actgagcaaa	ttctaggatt	gtgtgttctt	ctgggttccc	1020
caggttgacc	gggctgctga	cgttgctgtt	catgagagcc	acgaggccat	tcactagatc	1080
gctgacgtac	tggaaacgcc	ttgtctgaga	cccgatccg	tataccgtga	gtggctcccc	1140
ctggagcgcc	tgcaggatga	agttgctgac	tactcgccca	tcgttcatgt	gcatgcgtgg	1200

cccaaagg	ttgaagattc	tggccactcg	cacttccacg	ccttcctgct	tcatgtaggc	1260
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attcacgtgg	ccccagtaat	cctcactttg	aggggtggact	tcaggatctc	catacacctc	1380
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tgtcccaatc	gtattgggtct	ttaatgtctt	gataggatta	tacatgtagt	ttggagggga	1500
ggctggagat	gccagatggg	atatctgggc	aacctcgatg	tagaggggct	ccaccacgtc	1560
gtggttaatc	aactcgaagt	tctcatgtcc	gatccagtg	tccacgtttc	tcttcctgcc	1620
cgtgaagaaa	ttgtccacca	cggtcacctc	gtggccgctc	atcatgagtt	tgtcagttag	1680
atgggagccc	acgaaccctg	cgcctcctgt	tatcaaaatt	cttttccgat	ccttttctga	1740
taaaaacttt	actggtgggt	atttctgggt	aaagcttttt	tctaaatctc	tgattttctc	1800
tcttagtggt	tcaaccatct	cttcaatctt	gctttcaatt	tttagttcac	cattttcctg	1860
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ggccagcaag	gcgatgccca	gcagcagctt	catcctcctg	cggttgacgg	cagacacgag	1980
gcgcagcagc	gccttgctca	ccatccccgg	gagccgcgcg	ggtccagggc	cctgccgcgc	2040
gggggccc						2049

<210> 4454
 <211> 1771
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (95)...(1536)
 <223> similar to gi5834572 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4454						
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aggcattgga	aactaactgt	agctctggat	ttcagtttca	gcggatgttc	tctccagctt	120
tcaacagacc	ttgcactcaa	ctttgctgaa	tcccattcca	aaatgtcggc	cagcgctctg	180
caccttacta	tctcatgact	tcttcagaaa	tgattttctg	gaagttgtga	atttcttgaa	240
aagtttaaca	ttgaagagtg	aagaggagaa	aacggaattc	tttaaatttc	tgctggacag	300
agtcagctgc	ttgtcagagg	aattgatagc	ttcaagggtg	gtgcctcttc	tgcttaatca	360
gttgggtgtt	gcagagccag	tggtgtgtta	gagttttctt	ccttatctgc	ttggccccaa	420
aaaagatcat	gcgcagggag	aaactccttg	cttgcctctc	ccagccctgt	tccagtcacg	480
ggtgatcccc	gtgcttctcc	agttgtttga	agttcatgaa	gagcatgtgc	ggatggtgct	540
gctgtctcac	atcgaggcct	acgtggagca	cttcactcag	gagcagctga	agaaagtcac	600
cttgccacag	gttttgctgg	gcctgcgtga	tactagcgat	tccattgtgg	caattactct	660
gcatagccta	gcagtgcctg	tctctctgct	tggaccagag	gtggttgtgg	gaggagaacg	720
aaccaagatc	ttcaaacgca	ctgccccaa	ttttactaaa	aatactgacc	tttctctaga	780
aggcgatcca	ttttctcagc	ctattaaatt	tcccataaat	ggactctcag	atgtaaaaaa	840
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ctggagtga	cctgaggagc	ctgaaaatca	aactgtcaac	atacagattt	ggcctagaga	960
accttgtgat	gatgtcaagt	cccagtgcac	taccttggtg	gtggaagagt	catcttggtg	1020
tgactgagag	cccagcagct	tagatactaa	agtaaaccga	ggaggtggaa	tactgtctac	1080
aaaacctgtt	acctcagggg	agcagaagcc	tattcctgct	ttgctttcac	tactgaaga	1140
gtctatgcct	tggaaatcaa	gcttaccctg	aaagatttag	cttgtacaaa	ggggggatga	1200
cgcagaccaa	atcgagccgc	caaaagtgtc	atcacaagaa	aggcccctta	aggttccatc	1260
agaacttggt	ttaggagagg	aattcaccat	tcaagtaaaa	aagaagccag	taaaagatcc	1320

tgagatggat	tggtttgctg	atatgatccc	agaaattaag	ccttctgctg	cttttcttat	1380
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gttttcctca	aaatttgctg	cagcagaaat	tactgaggga	gaggctgaag	gctgggaaga	1500
agaaggggag	ctgaactggg	aagataataa	ctggtgacaa	tagatgtgag	ttaaacttta	1560
ggaaaaagga	ttcccttttt	ttaaaaaaa	tcaatacctc	aaaagcaggc	tttgggacaa	1620
gaaaacccca	aagtggcctg	cttttcccat	cccaggagct	cattatccag	tctgtgccaa	1680
ctgaagtagg	agactgactg	tgagtgtctg	ctaaaagccc	tgggtggtga	ggctcacagt	1740
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<210> 4455
 <211> 2283
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(1567)
 <223> similar to gi870751 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4455	
atggcgggcgg	ttgtcgcggc
gggatggggg	cctcgggccc
atgggatggg	gtgacctcgg
cggatggctg	cagaagggct
ccatcgaggg	cggcactgct
aacgcccatt	ccagaaacgc
gagcagctcc	tgccggagct
tggcatctgg	gtcacaggcc
ggatccccc	actgccactt
tacagggact	gggagatggt
ggggaagcca	acctcaccca
gcacggcacc	accccttttt
gcctccaaac	ccttcttggg
attgatgaca	gcattgggaa
accttcgtct	tcttcacgtc
ggcagcaacg	gcccctttct
cctgcccctg	catggtggcc
agcatcatgg	acctcttcac
agggccattg	atggcctcaa
cctatcttct	attacogtgg
cacttctgga	cctggacca
gggcagaacg	tttcaggggt
atcttccacc	tgggacggga
taccaggagg	ccctcagcag
cccgcgcagc	cccagctcaa
tgtgaaaagt	tagggaagtg
tccactagc	acctgcgcag
gcctggagga	aggatggctc
cagcacctgc	agacgcaggg
gacgaggtgg	tggcagctgt
tgctggtgct	cagcgccgcg
tgctcctgct	catggacgac
gagagacccc	gaatttggac
ctgccaaccc	tctgtgctcg
gcaatggctt	ctacaccacc
cccagactcg	tgggcggcat
tcagcaagat	tgctcggaag
acggatttga	tgagtggttt
ccaggcccaa	catccctgtg
ccacgcacgc	acccgtctat
atggagacgc	cgtccgggag
acctgcacgt	cgcggacaac
tttccgcccc	cgaacaaggt
tggaaggagg	gatgagggag
aggtgagcca	ccagctgggc
gacctgacgc	gcccagcgac
agggccggct	gatggacagg
ccctcgggca	gcacaaggct
agggcattga	tttctgccct
accacacgaa	gctgcccctg
tcagctttgc	cagcgccgag
agcaccagga	ggccttggtc
tgaactgggc	acctccgggc
ctccagttgg	ccctgcaagt
gccagacaga	gcccagacaga
cccaggacct	gaccttggcg

<210> 4457
 <211> 778
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (7)...(623)
 <223> similar to gil656005 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4457
 ctgcgaccca tccccgagtc ctctctcgac tacctactgc ccaaggacat caaactggcg 60
 gtgctgggcg ccggccgcgt gggcaagagc gcaatgatcg tgcgcttcct gaccaagaga 120
 ttcataggag actatgaacc gaatacaggc aagctgtatt cacggctggg ctatgtcgag 180
 ggggaccagc tctccctgca gatccaggat actcccgggg gcgtccagat ccaagacagc 240
 ctccccccagg tcgtcgattc cctgtccaaa tgcgtgcagt gggccgaggg ttttctgctg 300
 gtctattcca tcacagacta tgacagctac ttgtccatcc gaccccttta tcagcacatc 360
 cggaagggtcc accctgactc taaagccctt gtcattcatc tgggcaacaa gggggacctt 420
 ttgcatgccc ggcagggtgca gacacaggac ggtattcagc tagccaatga gctgggcagc 480
 ctgttccttg aaatttccac tagcgaaaac tacgaagatg tctgtgatgt gtttcagcat 540
 ctctgcaaag aagtgcgcaa gatgcacggc ctcatgtggg aaagaagaag agcctccatc 600
 atccctcggc ccgcgtctcc caacatgcag gacctgaaga gacgcttcaa gcaggctctg 660
 tctcccaaag tcaaagcccc ctctgcactg ggggtgaacta tctcagacag atgcctctcc 720
 tttttaatac gcatttgtgc agctaaaaga ctgggcttct cgctttttaa tcacacat 778

<210> 4458
 <211> 1278
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2)...(1064)
 <223> similar to gi4959396 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4458
 gctttatcga aagctgttaa attctcaggt tgtcagggtc tgccttcaag gggtgttgga 60
 aaatagtccc catctaatat gtataggagc tcttaaaaaa ctgtgcaatc acccctgcct 120
 tttgttcaac tctataaagg aaaagggaatg tagctcaact tgtgataaaa atgaagaaaa 180
 gagtctatac aaaggcttgc taagtgtgtt tctgtctgac tacaaccctc tctgttttac 240
 tgaaaaggag tcaggaaaac tacaggtgtt gtccaagctc ttagcgggta tccacgaact 300
 tcgacctact gaaaagggtg tggttggtat caactatata caaaccttga acattttaca 360

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agaagtatgt aagcgtcatg gatatgctta tacaagactt gatggacaaa caccaatctc 420
tcaaaggcag cagattgttg atggctttta cagtcaacac tcttcttttt ttattttttt 480
gttaagttca aaagctggtg gtgtaggact taacctcatt ggaggatctc acttaattct 540
ctatgacatt gattggaatc cagccactga cattcaggca atgtctagag tatggagaga 600
tggtcagaaa tatcctgtac atattttacag actcctaact acaggtacaa tagaagaaaa 660
gatctatcaa aggcagatca gtaagcaagg tctttgtggg gcagttgtcg acctcaccaa 720
gacatctgaa catattcagt ttctagtaga agaacttaaa aatttggttca cattacatga 780
aagttcagat tgtgttactc atgatctgct tgactgtgag tgtacaggag aagaagttca 840
tacagggtgat tcgttggaag aattcattgt ctctagagat tgtcagcttg gtccacatca 900
ccagaaatct aactccctga aacctctttc tatgtcccag ctgaagcaat ggaaacattt 960
ttctggagat catttaaact ttacagatcc ttttcttgaa agaataacag aaaatgtgtc 1020
attcattttt cagaatataa ccactcaagc tactggcaca tagtgaaaga ttacttctga 1080
cattccattg ctcttctttt gaaaattagt atgttaatta aatgtacttt ttgaaaatta 1140
atagaattat ttaaattaca gtatatgttg caaaatatat cacttttgat acaatagtca 1200
aaattgagtg gtttaatgtt ttgtaaatat taagtgttta aatgaaaaat aaagatgtgc 1260
ttatatcatt gaaaaaaaaa 1278

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<210> 4459
<211> 1343
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (143)...(727)
<223> similar to gi3880413 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 4459
acccgggaga aggagggcca agatggcgga agcggaggag tctccaggag acccgggggac 60
agcatcgccc agggccctgt ttgcaggcct ttcagatata tccatctcac aagacatccc 120
cgtagaagga gaaatcacca ttctatagag atctcgcatc cgggagtttg acagctccac 180
attaaatgaa tctgttcgca ataccatcat gcgtgatcta aaagctgttg ggaaaaaatt 240
catgcatgtt ttgtacccaa ggaaaagtaa tactcttttg agagattggg atttgtgggg 300
ccctttgatc ctttgtgtga cactcgcatc aatgctgcaa agagactctg cagatagtga 360
aaaagatgga gggccccaat ttgcagagggt gtttgtcatt gtctggtttg gtgcagttac 420
catcaccctc aactcaaaac ttcttgagggt gaacatatct ttttttcaga gcctctgtgt 480
gctgggttac tgtatacttc ccttgacagt agcaatgctg atttgccggc tgggtactttt 540
ggctgatcca ggacctgtaa acttcatggt tcggcttttt gtggtgattg tgatgtttgc 600
ctggctctata gttgcctcca cagctttcct tgctgatagc cagcctccaa accgcagagc 660
cctagctgtt tatcctgttt tctgttttta ctttgtcctc agttggatga ttctcacctt 720
tactcctcag taaatcagga atgggaaatt aaaaaccagt gaattgaaag cacatctgaa 780
agatgcaatt caccatggag ctttgtctct ggcccttatt tgtctaattt tggaggtatt 840
tgataactga gtaggtgagg agattaaaag ggagccatat agcactgtca ccccttattt 900
gaggaaactga tgtttgaaag gctgttcttt tctctcttaa tgtcatttct ttaaaaaatac 960
atgtgcatac tacacacagt atataatgcc tccttaaggc atgatggagt caccgtggtc 1020
catttggttg acaaccagt acttggaag cacatagata catcttaca gttgaataga 1080
gttgataact attttcagtt ttgagaatac cagttcaggt gcagctctta aacacattgc 1140
cttatgacta ttagaatatg cctctctttt cataaataaa aatacatggt ctatatccat 1200
tttcttttat ttctctctct taagcttaaa aaggcaatga gagagggttag gagtgggttc 1260

```

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atacacggag aatgagaaaa catgcattaa ccaatattca gattttgatc aggggaaatt 1320
ctacacttgt tgcaaaaaaa aaa 1343

```

```

<210> 4460
<211> 916
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (917)...(760)
<223> similar to gil542813 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4460
gctgcttttg acagacactg gaaggcaccc cagacccctg gtggtggtgt aatccgataa 60
ctttatttta attgaaaatg gaggcataac atgtcctaga aaaataaaga tttaggatac 120
aaaggagaca cagcggcagg gctgccccca gggatgaggg aatctttggt ctgggccgga 180
taatgaggac aagggttga gtcgagggga gctggtgaag gaagaccccc gtctccccac 240
agctgcccc cccccgcgcc ctggcaggaa atgccacact ggggagggtc tccagtctca 300
ggggcgcggg gctgcctgtc ctccaccttc ggattccagg cagttgtgac aacaccagct 360
atcggcagag ctattaatag tgtttcaggg agtgacagg agagggctct gggggctgga 420
agtccggccc tggggcagg tgttccgctt acagctagta ccaagtggag ggggcagggc 480
ccctgagtca ggacctgag tccccacgt atatggcagg gcacagcatg gggagggctg 540
taacagagag gcctcccatc caaaggggga tggagacctg gacaggaggt ggccggggat 600
acaaccccc gcaccaccag ggcttgagga ggccaccag gcagaaggat gtggtgactg 660
gggtcttcag caaccgcatt tctggggctc cccctccca ttctgtccc tgcgtcttca 720
gcaccaatgt cgggagaggc cagggggcca cactgggtca cagttccaag ggctcctcca 780
caggcaccga ctggagctgg gtcagaacct tggcctcagc ttccaacccc tcgtcaacct 840
caccctctgc ggtggcccc aggagcagcc cctcagggtc ggggtctggc agcctcagca 900
cggtgtgggg ggccctg 916

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```

<210> 4461
<211> 3957
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1411)
<223> similar to gi5441371 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400>	4461					
atgtctttaca	gtgtgaccct	gactggggccc	gggcccctggg	gcttccgtct	gcagggggggc	60
aaggacttca	acatgcccct	cactatctcc	cggatcacac	caggcagcaa	ggcagcccag	120
tcccagctca	gccaggggtga	cctcgtgggtg	gccattgacg	gcgtcaacac	agacaccatg	180
acccacctgg	aagcccagaa	caagatcaag	tctgccagct	acaacttgag	cctcaccctg	240
cagaaatcaa	agcgtcccat	tcccatctcc	acgacagcac	ctccagtcca	gaccctctctg	300
ccggtgatcc	ctcaccagaa	ggtggtagtc	aactctccag	ccaacgccgc	ctcttcagca	360
cctgccaccc	acaccagcta	cagtgaagggc	cccgccgcc	ctgcacccaa	gccccggggtt	420
gtcaccactg	ccagcatccg	gccttctgtc	taccagccag	tgcttgcata	tacctacagc	480
ccgtccccag	gggccaatta	cagtcccact	ccctacaccc	ccycccctgc	ccctgcctac	540
accccctccc	ctgcccctgc	ctacaccccc	tcacctgtcc	ccacctacac	tccatcccca	600
gcaccagcct	ataccccctc	acctgcccc	aactataacc	ctgcaccctc	ggtggcctac	660
agcggggggc	ctgcgggacc	tgccagccgt	ccaccctggg	tgacagatga	tagcttctcc	720
cagaagtgtg	ccccgggcaa	gagcaccacc	tccatcagca	agcagaccct	gccccgggga	780
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tgtgagcgat	gttatgagca	attctttgcc	ccgctgtgtg	ccaagtgcaa	cacaaaaatt	1080
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gcctgcaaga	agccttttgg	gaacagcctc	ttccacatgg	aagacgggga	gcccactctg	1200
gagaaagact	acatcaatct	gttcagcacc	aagtgccatg	gctgcgattt	ccccgtggag	1260
gctggcgaca	agtttatcga	agccctgggc	cacacttggc	atgacacctg	cttcatttgc	1320
gcagtctgcc	atgtgaatct	ggagggggcag	ccgttctact	ccaagaagga	cagacccctg	1380
tgcaagaagc	acgcacacac	catcaacttg	taggcggcca	aggccgcctg	tgctgacgag	1440
gcccggagct	gctcctgctg	ctggcaacaa	aggattcggg	aggctgatgt	ttcttctgag	1500
gggaatgggg	agagagagga	agcgactgag	cccyttggaa	gtataatttt	aggttttttc	1560
ttctgtacac	agatcgtgca	tttgcatagt	tcagactagg	agccaaatga	agactcaaaa	1620
ccaagctagt	tattaatcca	agactggaat	tgtacttcag	acatttagag	cagaattcca	1680
agaactcaaa	agtgaaaagc	aacaagcagc	tttcccaaag	cgatacactt	gctttgggtca	1740
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aagcgactcc	cctggcaaac	aaattgaagt	gccaaacagc	acttcgctgc	agggtatttc	1860
tagagtcata	gctcgagagc	ttgttagctg	aagccccctta	ggcttttcctc	accaaaaaag	1920
gaggtgttat	tccattacta	gcgtcatgga	gctacctctg	cgcatcagac	ttcagacctt	1980
gaacaaactt	aaaaccttct	tgggagcccg	gacgtccaaa	gagatgtctt	ctgggagcca	2040
ctgggcaatt	gccagggctc	caggaagggc	tctggctcag	gttgacagaca	gctgagaaaa	2100
gatggccctg	tcagccaccc	tctctcagtc	tgaaacatcc	aacatcccca	gaaggcttag	2160
ctcctttttg	aattgtgatg	ggaaagtaga	gttgggtttt	tccagttttg	ctctgtgggtg	2220
tgtgagagat	tttttaaaag	gctttggggt	gtctttggcc	tttgttttagc	tttaagggtt	2280
cgttagcatg	agtgtccagt	cgtgtgcatg	aatttcaccc	caacttgtga	ctgctcactt	2340
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gagacagaga	gacagtgtct	gaaacaggat	ggcagaatag	gctcacatgc	ccaaactctg	2460
ggtggggaag	aggaaactta	ctttctgcc	ccctcagtaa	gaacacacga	ggaggcagga	2520
cctccacact	tcaggtctgc	atcatccttt	tcaaagtgtc	ctttaaatgc	agcacactga	2580
gtttgtacaa	ttgtgttaac	tgctggaagg	gacagatgca	ctgatatata	tgcatattgct	2640
gttttgcca	atattttgaa	aatgtatgag	ctgagttgat	ctagctatta	tttaagtatt	2700
tattgaagta	gaggggcctt	caaactactt	tatactagt	atagtttgag	ttaggtaagc	2760
atcttaaagc	tgtttggtga	taaagaaggc	agcttaaatt	ctgtgggttg	aaacagtgt	2820
gtcgcttccc	tttttaggaa	gccctgttaa	tatgctcatt	gaaaacatgg	cattgaagca	2880
ggcacttgcg	tggtatgttt	tcacttgagc	acgatattta	ggctctcttc	caactcactc	2940
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aatgtattag	aactcttttc	ttctaaggac	tgagacttcc	aggggattgc	catcttacct	3060
gtctcttctc	catgagggag	aaggaagcag	ctagctatgt	ccctagctgc	aggaagcccc	3120
tattttttcc	aagcacgaag	ccaccagtct	cccccaggga	gcatcaggaa	gggacatgga	3180
tgtgctcctg	ccacagggcc	cttcctacct	ttggatctgt	gagaagggtga	atacaaagca	3240
gcaggcagag	taaaatctgc	tgggactgcc	tggagatttg	tcaggagctg	cagacaagta	3300
ccttgaggaca	ttctgttatt	tttggaaggt	tcaaatatgc	agggacaagg	aggttgctga	3360

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ctgtactgac aggctctaag tcattttctc caaaaactat ctattcaatt atcaggggct 3420
ggtcttgagg aaggaaaaaa aaaaaaaacg tccccaaaat tcagtttcca aaattttttt 3480
ttaaggggtt tacacacaca cacacacaca cacacacaca cacacacaca cacacacaca 3540
ctattaaaaa gtgttttttt tttaaaaaaa aaagtaaaat ttctgagggg ggggtttcac 3600
caccgtcctt tattgaatca atttttctac atttcagagc aagtgtagat tctgagggac 3660
tcctattttg caaaaagaca aaactagcaa aaaaaaaaaa ccaaaaaacc aaaaaaaaac 3720
ccattaaaaa ggtaccagaa aaaaaaggaa gtttgaaggg ggggtccactc agggtcggga 3780
agtcggggga agggccagga gaaaggccgg gtcaacctaa agttaacatt gggaggccct 3840
acaaccctaa ccaaaatttt caaaaaccca ggggggggag cacacttgga acctacattt 3900
ttggccccct aatgggggac tttaataaac cttttatggg ccaggcccag gggctaa 3957

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<210> 4462
<211> 1368
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (224)...(1058)
<223> similar to gi3881130 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 4462
tttcgtcaac gacgctagta actgcctggc ttctccctct ggtgtctccc ggaaagcgct 60
ccgtctggtc cgtgcgcgat cagggccggg cgcgtggctc gggctcgggc ggagctggag 120
acgtgtggag ctgttcgagg actcgcgggt gtgcagtgca cctatgatat gtgttttaga 180
aatagccgtt aaacttttgt ttgaatgaag aatgtctctc aatccaccta tatttctcaa 240
acgaagtga gaaaatagtt caaaatttgt ggaaacaaaa cagtcacaaa ctacttccat 300
agcttcagaa gatccccctt aaaacttatg ttttagcatc caagaagttc ttcaaaaagc 360
tcagcaaagt gggagatcaa aatgtctcaa atgtggtggt tccagaatgt tctactgcta 420
tacatgttat gttccagttg aaaatgtacc tattgaacag attccacttg tgaagcttcc 480
attgaagatt gacatcatta aacatccaaa tgaaacagat ggcaaaagta ctgctatata 540
tgcaaaaact ttagcacctg aatttgtaaa catttacacg tatccgtgta tccagaata 600
tgaagaaaag gaccatgaag ttgcaactcat ttttcctgga cctcagtcta tctcaataaa 660
agatatttct tttcatctgc aaaaaaggat tcaaaataat gttagaggca aaaatgatga 720
ccctgacaag ccatctttta aacgcaaaag aactgaagaa caagagttct gtgatttgaa 780
tgacagcaag tgcaaaggca caacactgaa aaaaattata tttatagata gcacctggaa 840
ccaaacaaac aaaatattca ctgatgagcg acttcaaggg ttgttacaag ttgagttgaa 900
aacaagaaaa acttgctttt ggcgccatca aaaaggaaaag ccagatactt tcctttctac 960
aattgaagcc atttactact ttctggtaga ctaccatact gatataataa aagagaaata 1020
cagagggcaa tatgacaatc ttttattttt ctattctttt atgtaccagt tgataaagaa 1080
tgccaaatgc tctggagata aggaaacagg aaaacttaca cattagtttt taacaagcca 1140
cttatgtctt tttattttgc taacattaat aaacttatat ttgtgctttg ttttttctta 1200
agaaataatc atatataatg cctgtaagac catttgaaaa aattccagtt tcatatatat 1260
cacttcatat ttcttgaagg aaattgtatc tgggggaatt tttcagagat actgttgatt 1320
gaaaaactta cttcagaagt tatttgetca gtgaaacctc agtttcat 1368

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<210> 4463
 <211> 2173
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (185)...(1431)
 <223> similar to gi4240130 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4463

gcgagaagaa	aggaaacagg	tttcactaac	ctggattgtg	aatgtatagc	tacattttctc	60
ccccagctta	tgagaatgat	ccacaactat	ttacccaaag	acaaaacacc	accaacttaa	120
ttcaaataatt	taaataatat	ttgtgaactt	atgcctaaat	ataactgtat	ttctttgtctc	180
atagccctac	tttcagactt	tgctattcgt	ttttgttcta	agatgcatgg	aactaaaatg	240
tggaaagaaa	agaatgcgaa	aagatcctgt	tttcagaatt	tccccccaaa	gtagagatgc	300
taagccaaat	ccagaagaac	ccatagatga	agatgaagat	attcaaacag	aaagaataag	360
aacagccact	gctctgacca	cttcaatctt	agatgagaaa	cctgttataa	ttgccagctg	420
tctacacaaa	gaatatgcag	gccagaagaa	aagttgcttt	tcaaagagga	agaagaaaat	480
agcagcaaga	aatatctctt	tctgtgttca	agaaggtgaa	atthttgggat	tgctaggacc	540
caatggtgct	ggaaaaagtt	catctattag	aatgatattct	gggatcacaa	agccaactgc	600
tggagagggtg	gaactgaaag	gctgcagttc	agttttgggc	cacctggggg	actgccctca	660
agagaacgtg	ctgtggccca	tgctgacgtt	gagggaaacac	ctggaggtgt	atgctgccgt	720
caaggggctc	aggaaagcgg	acgcgagggt	cgccatcgca	agattagtga	gtgctttcaa	780
actgcatgag	cagctgaatg	ttcctgtgca	gaaattaaca	gcaggaatca	cgagaaagtt	840
gtgttttgtg	ctgagcctcc	tgggaaactc	acctgtcttg	ctcctggatg	aacctatctac	900
gggcatagac	cccacagggc	agcagcaaat	gtggcaggca	atccaggcag	tcgttaaaaa	960
cacagagaga	ggtgtcctcc	tgaccaccca	taacctggct	gaggcggaag	ccttgtgtga	1020
ccgtgtggcc	atcatggtgt	ctggaaggct	tagatgcatt	ggctccatcc	aacacctgaa	1080
aaacaaactt	ggcaaggatt	acattctaga	gctaaaagtg	aaggaaaacgt	ctcaagtgc	1140
tttggccac	actgagattc	tgaagctttt	cccacaggct	gcagggcagg	aaaggatttc	1200
ctctttgtta	acctataagc	tgcccgtggc	agacgtttac	cctctatcac	agacctttca	1260
caaattagaa	gcagtgaagc	ataactttta	cctggaagaa	tacagccttt	ctcagtgcac	1320
actggagaag	gtattcttag	agctttctaa	agaacaggaa	gtaggaaatt	ttgatgaaga	1380
aattgataca	acaatgagat	ggaaactcct	ccctcattca	gatgaacctt	aaaacctcaa	1440
acctagtaat	tttttgttga	tctcctataa	actcatgttt	tatgtaataa	ttaatagtat	1500
gtttaatttt	aaagatcatt	taaaattaac	atcagggtata	ttttgtaaat	ttagttaaca	1560
aatacataaa	ttttaaaatt	attcttcctc	tcaaacatag	gggtgatagc	aaacctgtga	1620
taaaggcaat	acaaaatatt	agtaaagtca	cccaaagagt	caggcactgg	gtattgtgga	1680
aataaaacta	tataaactta	gaatttttta	aaaatatgac	ttttttacct	tttacaaaac	1740
attctcttgc	tgaaatatgt	gaaggggtata	ttcagtagcc	aagagttgca	tgactacttc	1800
acaccagttc	atgatacaac	aggatatacag	gttttctttt	ataaccaact	acaactcaag	1860
agtcttctga	aagtgttcca	gaaattgctt	taaaactcaa	aagtaagggg	ccaggtgcag	1920
tggctcacgc	ctgtaatccc	agcacttttg	gaggcagagg	caggtggatc	acaaggtcag	1980
gagttcgaga	ctagcctggc	caatatggtg	aaactccatc	tctaataaaa	atacaaaaat	2040
tagccgggcg	ttggcatttg	cctgtagtcc	tagctattcg	ggaggctgag	ggaggagaat	2100
tgcttgaacc	cgggaggcag	aggttgcagt	gagccatgtg	ctagtgact	ccagcctggg	2160
tgacagagtg	aga					2173

<210> 4464
 <211> 2003
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(2004)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1)...(993)
 <223> similar to gi4456991 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4464

cttcgtacta	aaacccaaaac	acccacattc	aacatcaccc	ttattttctga	atgggtgata	60
cccattagga	gctgtgtcaa	acccccttac	atgctgttg	ttggaaatat	aattatgatg	120
cctgatgcac	aaactataga	atgtcataac	tgtaagctgt	tcacttgcac	tgatgcaact	180
tttaatccca	ctacaagtat	tctcttggta	agggctaggg	aggggggatg	gataccagtt	240
tctctacatc	gtccatggga	gtcttcccc	tctattcaca	tagtcaatga	agttcttaaa	300
gacatcctca	aaagaacaaa	gagatttatt	tttactctta	ttgcagtcct	tgcaggacta	360
cttgcggtta	ctgcaacagc	agcaactgct	ggagttgcca	tccgcagttc	tgttcaaact	420
gctcactatg	ttgaagcatg	ccagaaaaat	tcctccagac	tttggaattc	tcaggcgcaa	480
attgatcaaa	aattagctaa	tcagattaat	gatctccgcc	aaagtgtaac	ctggctggga	540
gatagagtta	tgaacttgca	acaccgtatg	caattacagt	gtgattggaa	tacttctgat	600
tattgcataa	cgccttatgc	ttataatcaa	gatcaacata	gctgggaaaa	tgtctcaaga	660
catttaaaag	cctgggatga	taacttaacc	ttggatat	cacaacttaa	agagcaaatc	720
tttgaggctt	cacaagccca	tttatccaca	gttcctggct	cacacatttt	tgaaggcata	780
actaaacaat	tacctgattt	taatcccttc	aaatggctca	aaccgcgtcag	aggatcattg	840
ttgttactgg	cattattaat	attggatg	ttatgttg	tccttttagt	ctgcagatgc	900
ctccaaggag	tccgaaacca	agtccgaagt	caacgacaag	caatgatggc	gatggcgatc	960
ctagttaata	aaaagggggg	agatgtgggc	tgcaagccac	ccaggtgccg	aggcaagaga	1020
ccgaggacat	gagctgttcc	agtataataa	aataataaac	aagaatagtt	ataccagata	1080
tagatcttag	atatgattat	atatgaatat	aattaatcat	tagttttagt	caattactct	1140
ttattccaat	attataataa	tcctcactct	ataatcataa	cctacgaaaa	accaggccat	1200
acagagatag	gagctgaggg	gacatagtga	ggtgtgacca	gaagacaagt	gtgagccttc	1260
tgttatgcct	ggacagggcc	accagagggc	tncttggct	agcagtgatg	ccagcgtctg	1320
ggaagacgcc	cgttgccagg	cggaccgtgg	tctatcggt	gcgaaaanng	nnagggaaca	1380
cccactactt	agcagaccgg	gaaagggagt	ctccttttcc	cctggggagt	ttagagaaga	1440
ctgctcctcc	acctcttgg	gagggcctga	catcagtcag	gcttgccctg	aattatccag	1500
aggcctaacc	gtctccctat	ggtgctgtgc	ttcagtggtc	acgctcctag	tctgccttca	1560
tgttccatcc	tgtacacctg	gctctgcctt	ctagtatgca	gtagtcaatt	agtgaagta	1620
ctaaaagtct	ctgatatgca	gaaataatgg	cataagctat	cttctctct	gtctcctctc	1680
cctctctgcc	tgggctgcca	ggcagggaag	ggccccctgt	ccagtggaca	cgtgaccac	1740
gtgaccttac	ctatcattgg	agatgactca	cactctttac	cctgccccct	ttgctttgta	1800
tccaataaat	aacagcgag	ccagacattc	ggggccacta	ccggtctccg	cgattgggtg	1860
gtagtgttcc	cccgggcccc	gctgcctttt	atctctttgt	cttgtgtctt	tatttctaca	1920
ctctctcgtc	gccgcataca	gggagagacc	caccgaccct	gtggggctgg	tccgtacact	1980
cttgatagtg	gcggacgcgt	ggg				2003

09450725.013100

<210> 4465
 <211> 857
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (13)...(399)
 <223> similar to gi3879384 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4465
 tccagataacc aaaagctcct cgtccgcctc agtgacgttt acaacagggtc gtttctggag 60
 aacctgaaag tgaacacgga gaatctgctg caagttgaaa acacagggaa ggtgaaaggg 120
 cttattctta cccttaaagg agagcctggg gggcagaccc aagcatttga cttttactca 180
 agatatatttg caccgtgggt tgggtgtggc gaagacccag tgacaggggtc tgcacacgct 240
 gttctcagca gctactgggt ccagcatctg gggaagaaaag aaatgcatgc ttttcagtgt 300
 tcccaccgag gaggagagct gggaatttcc ctctgtccag acggaaggggt tgacattaga 360
 ggaggtgcag ctgttggttt agagggcaca ctgacagcct agaggtgggt atgctgtgac 420
 gctgctgtct ctaaccacca agtattttct gcttaaaaag aaatgtaagg ggctgccttt 480
 agcaaagtgt cgtagtagtc tacttaatcc tcatgttaaa aatcgaaaaa tgggccaggc 540
 gcagtggctc atgcctgtaa tcgtagcact ttgagaggcc aaggtgggtg gatcacctga 600
 ggtcaggggt tcgacaccag cctggccaac atggtgaaac ctctgtctcta ctacaaatac 660
 aaaaattagc tgggtgtggg gccacatgcc tgtaattcca gctacttggg aggctgaggc 720
 atggagaatc gcttgaacct aggaggcaga agttgcagtg agcaaagatc gcaccactgc 780
 actccagcct gggcaacaga gtaagactcc attcacacac acacacacac acacaaaatt 840
 gaaaagtga gacattt 857

<210> 4466
 <211> 878
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (878)...(540)
 <223> similar to gi2516266 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4466
 tttttttttt tatgctgaaa gtatatattat atatatagat atagatatatt acttctctgt 60
 agacagtttt tactgatgag tcatttgaac gttcaaagaa caaccgatta caatgctaca 120
 tgaactatac cagaaatgag atggatagct tctcaattca tttcaciaag ccagcaciaa 180
 gctgatacca aacataaca attaaaacac aaaacagaga accacagatc tcacttaaaa 240

acacagatgc	caaaatacag	aacagaacag	tagccgattg	aaatcaacac	cacataaaaa	300
atgtacaaag	ctttggcaga	tacgaaacca	agttgaaaat	ccaaacttac	actcgtggaa	360
ctggaacaca	aacaccagga	acaaaaatgt	ccccccaccc	tgtcagtggc	ctctggccag	420
ggaaaacacag	gagcgagatc	tctgctacac	ctattagcgg	ggagggggcc	tgctggtggg	480
gccgtgggca	ctgtcaccgg	tgtcagggttc	atcctcatct	gtgtcttccc	actcacactc	540
tgcgagcgct	tcaaggtaat	ggaatggcca	gctctgtgga	tctttcttat	ggagcttggc	600
caaaaacctc	aggacaagca	tcttgctggg	ttccaggaat	gctcgagggc	cccagaggaa	660
ctcatactct	gcgggctcag	tgtaagggat	tcgcctgtac	tctaggtact	tctgcctgac	720
aaacacttcg	gtgatgagct	tcttagtatt	tccaaagaga	ccgtttgtct	cccggacatc	780
caaccctaac	ttgaacagaa	aattaaagat	cagatcctcc	ctgacacagt	tgcccttcat	840
aaagatgagg	ctcaagacca	ccatcagaag	gccaaact			878

<210> 4467
 <211> 1263
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1264)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (4)...(649)
 <223> similar to gi4336692 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4467						
gtaaaagttg	ccctgcttct	gacgaattta	gaacagcctc	gcacagagtc	tgagtgggag	60
aacagcttca	ccctgaaaat	gtttcttttt	cagtttgtca	atctgaacag	ctccacattt	120
tacatcgcat	tcttctcgg	aagatttaca	ggacaccag	gtgcctactt	gaggctgata	180
aacaggtgga	gactagaaga	gtgccaccct	agtggatgcc	ttattgatct	gtgtatgcaa	240
atgggtatta	taatggtgct	aaagcagacc	tgggaataat	tcatggaact	tggctacccg	300
ttaattcaga	attggtggac	tagaagaaaa	gtacgacaag	aacatggacc	tgaaaggaaa	360
ataagtttcc	cacaatggga	aaaggactat	aaccttcagc	cgatgaatgc	ctatggactc	420
ttcgatgaat	acttagaaat	gattcttcag	tttgattca	caactatctt	tgtggcagct	480
tttcccctag	caccacttct	ggccttactg	aataacataa	ttgaaattcg	acttgatgct	540
tacaaatttg	tcacacagtg	gaggagacct	ttagcttcaa	gggccaaaga	cataggaatt	600
tggtatggaa	ttcttgaagg	cattggaatt	ctctctgtta	tcacaaatgc	atttgtcata	660
gcgataacat	ctgactttat	ccctcgcttg	gtgtatgctt	ataagtatgg	accttgtgca	720
ggccaaggag	aagctgggca	aaagtgcattg	gttggtatg	tgaatgccag	cttgtctgta	780
tttcgaattt	ctgactttga	gaaccgatct	gagcctgaat	ctgatggcag	tgagttctcg	840
gggactcctc	ttaagtactg	cagataccgg	gactaccgtg	acccgcctca	ttcactggtg	900
ccctatggct	acacactgca	gttttggcac	gtcctagctt	ggggncctt	ccggaaatnt	960
agctttttatc	attgtctttg	agcacctcgt	gttttgtata	aagcacctca	tttcgtatct	1020
gatcccagac	cctcccaaaa	gacctaaagg	atcgaatgag	aagagagaag	tacttgattc	1080
aggagatgat	gtatgaagca	gaactggaac	gtctccagaa	ggaacgaaag	gagaggaaga	1140
agaatggaaa	agcacaccac	aacgagtggc	cgtgaccatg	tagaaaatag	tccctttcca	1200
ggccaaggac	ctgaattctg	tttacttctt	ctggctgtgc	aaaagcacac	tcaagtgaat	1260

<210> 4468
 <211> 2300
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (178)...(627)
 <223> similar to gi3256105 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4468
 ccagggtcagt gttgtctgct acacagccta ctctctgtct ttgtgtgatt tgtcactctt 60
 tgcagcccca aagtgggttct aaaggctacc acaggaaact ggacttctaa attcttcagt 120
 gacctcaatc ccagggttggg ggaatgtttt ttatagatca tcaccgaccg acctggcttt 180
 catgatgaga gtgccatcta ccccggtgggc tattgcagta ctcgaatata tgccagcatg 240
 aagtgccag accagaagtg tctatataacc tgtcagatca aggatggtgg tgtgcagcct 300
 cagtttgaaa ttgttcctga agatgacccc cagaatgcca ttgtcagctc ttctgcagat 360
 gcttgtcatg cagaactgct caggactata agcactacta tggggaaact aatgcctaac 420
 ctgcttcacg ctggagctga ctttttttga ttttctcatc cagccatcca caacctgatc 480
 cagagctgtc caggagctcg aaaatgcatc aattaccagt gggtgaaatt tgatgtgtgc 540
 aaacctggag atgggcagct acctgagggg ctgccggaga atgatgcagc tatgagcttt 600
 gaagcctttc agagacagat ctttgatgaa gatcagaatg atccccctct gccaggatcc 660
 ttggacctcc cagagcttca gcctgcagcc tttgtgtctt cttaccagcc catgtacctg 720
 acacatgaac ccttggtaga tactcacctg cagcacttga agtctccatc acagggtagc 780
 ccaattcagt cttcagattg aacaagaagg gatcagatgc cacatcgttt ttgtcgtgat 840
 taatttaact taaactaaaa ttttgggtat atgaaagaag gcagcaattc agaagtaaag 900
 aagatactaa cgtatttcat catggaaggc cctgtggtga tggttttccc tgggaaaacc 960
 ttcagctgct ttatttttag taataaattt ctcttgtcaa ttctgtttac tttcatcttg 1020
 taatcgggat gtaatctttt ttgcttagct ctgcctgagg taaagtaaac ttcagcctct 1080
 tataaacaag agtgatagag agctgcaggc tgctacaaca aataccatag acaggttggg 1140
 ttataaataa catgaattta tttctcacag ttctggatgc tgggaagtcc aagtccaagg 1200
 agcgcagatt caatgtctgg tgagggccca cttcctagtt cttagacagc tgtcttcctg 1260
 cagtgtcctc acgtggtaga agaggaaggc agctctccgg ggtccctttt ataagatcac 1320
 taagccggtt catgagaggc ctgctctcat gacctaatca cctcccaaag gccccacctc 1380
 ccaataccat cacattaggg gttaggattt aacatgaatt ttggggacat ataaacatta 1440
 agtctgtagt agcagcagct gactaacgag ggagataggg agattctgac aaacttctac 1500
 tcttgattgt gatcctaatt caaggaatat caagtcccag cccctgcaac ccaggctgct 1560
 gcttaatttt catgtcagta tcatcaaaat ccaatgttct gcttaaaactc aagatggaaa 1620
 gtccagtcca aggtacactg ttcatctttt tcttcacatt ttgcacatcc ttcaagggga 1680
 tctttaacct ctttaacctt ttgtattgca cctcagataa tgtgcttttt agctcagtac 1740
 actgaaacca tatgataaca caaattcaca tataattggg ggtagtccc atactctata 1800
 acagacttag tcctgtcttt tcattagcca tgtaataata taactccatg ttccatgcaa 1860
 ctggattttt ggacctgtt aatagcatta aggtagaggc ttactctatc acctaacacc 1920
 tcaacactac ctgtgggatg ccttagttac ccagcagcag gttaccaagg gctgtctgga 1980
 aagggaggga caaaaggacc cagaagtaga agaattggga tggagtgggtg agaattgaat 2040
 ggttaatgca ctgccattca taattgcca ttgaggacaa cacaaatggg attggtactt 2100
 tatagtaata aatctgacca gcagagggag ggatcaggca gcagtgttta gagcacacca 2160

cactggccac	tgtaaactga	gaagctaagt	taactggtat	tttatgattt	tgagtatagt	2220
ctttttataa	gttgtattac	actttacaat	gttaaaagga	aacaaacttt	gtattattag	2280
ccaattcggg	gaaggggact					2300

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<210> 4469
<211> 1929
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1930)...(1051)
<223> similar to gi3341678 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 4469
tgactgtgta tatatatcat ataatccata taaatgcaga aacattttatt gaaagacatt      60
tcgaagccat cgtgttttga tttcatgttc atgacaataa aacttgtaaa cttcagtaac      120
agttaaacct tctttaatta tggattagcc attaacattt ttgaaacgtg gaccatttaa      180
cctcggccta cccctcccaa ctgtcctggt gatgagttca ttagctaagt taaaattaat      240
ttgaactttg atctaaacca aaacaaatcg ggaaaaataa agctgtaaag gaactttatc      300
aagctttcca aaaccaacta aaaattactt gaagttttcc gagtgagcat tgctgtgcc      360
agtattcttc attataggat tataaactcg tttttttccc aaagccgcat gtctacgcca      420
ggcagaggag taattattca gccaatcca tggatggtaa acgatggata taaataattg      480
atagcaccta gaggtctcca gtttggtgg aaggctaaaa gtagagggga actcactcac      540
ttgagaaatg atatttaagt gaataaatag ttctcttcta tgaaactatt actatttagt      600
tctctggaaa acttaagtgt attaatgatt agaacatcaa atcctaagta aagaaatgac      660
attttaaata taaaaagcca aacttttaat aaatcataga gacctcagac ataatatagg      720
aaagaattct tttgtccttg ttacactgt gtacatagta caaatataat tttaaagcta      780
catcctataa catttaagaa ataacagtag ttcaaaatg cttaatagta ggagaaaaat      840
gccttagaag actagggttc taaaagtcag aaataaaagt acaagttatt tttcttctat      900
ccagcaactt tataaagcaa cttgagtcct gaagaaaaga ccgttggttct ttttaagaaat      960
gggtcttctc gaattataaa ctttaacacc attttgcac gaagaatgag aatatttagt     1020
gagtaatgca cctatggttt gcttctctcc acacaaatct tgaatatatg gagcaatatc     1080
ttcttctgtc cacttctccc ttagagagaa aaggctatta aaacgttcct gattatcctc     1140
aggtaaataca tctactttca gcaaaaatat gatttctggt ctcgagtgtc tatccaccag     1200
cgctaaaccc ttaagctgat caagactagt taccattcct tcaggaacac tctgctgcc      1260
cacttcttga aactcagcga gattgaattt caccgcattc tgaagtagca ttcgtgctgc     1320
tgctctacat attttatcag catccaactc aaaataaact tcgccttcat ctacatattt     1380
cttcccataa catttaagac agtgttctat catttctctt ggctccaatg gtccgagttc     1440
ctgaaggcat gtgttcaaag gaactttacc aaaagaccat gattcagaat ccacaagctg     1500
agttacatga ttcagaagtt tcatctcata atcaaattca agaatcctcc aataacctcc     1560
aatcttacag gcatttagaa cttgtaattg ggtcattatt tcttcctcac ttgcctgaat     1620
ttgatcaagc aaatcttcag ttgtatatat tgagctatatt gaatccttct ctttttgact     1680
gtcaggctct tcatatggat tttccatcaa aagtttcttt agcttcttta acttgggtct     1740
acgtcttctt aattcccaat aattattaga aaaaccaaag atctcagtggt gaataatggt     1800
acagtggtgaa tcttcttctt tcaactgggtc cggagtttta caaccaggaa tgaagaaagca     1860
catattggaa gtgtctgcta tcttcaagtc gtatgttttg tctttactgc acagcacagc     1920
ttgctcgtc

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<210> 4470
 <211> 2017
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2016)...(491)
 <223> similar to gi559371 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4470

tttttttttt	ttccttttaa	aaactttatt	taaattggaga	ctcttagtca	aatgattgga	60
aaaccaataa	cgaaaaatag	ttcttcaggt	tcttctcctg	gaaaggcgga	ggacacacca	120
aactgcactg	gccctgtcag	gggacacggc	accctcgtgg	gaccaggctc	agccctcggg	180
gtggcacgag	gtcctgcagg	ctgcaggacc	ctcacactcc	agcccgctct	ggtgacccaa	240
cccgggcccc	tgggtgcatg	tggggaaggc	cactggccgg	cccctgggct	tcggctcctg	300
aggaggcatg	gccccacacc	ctgcccggcc	ataaatatat	acagattcct	gggcatccag	360
ggcaccagga	ccgacgcaga	gctgggggtc	tgtccctaag	cctgtggcac	agcgactctt	420
gacatgggag	ccaggagagt	gggaccgccg	cacccctccc	ctgcctccct	cctgggggtca	480
ccaccctcag	gcggctgcca	gctggcctag	gacgcggcgg	aactgctggg	tgctgtggcc	540
cagctccttg	accctctcca	ccatgtcctg	ggccgcggaa	ggcgatgggt	actgcaaggc	600
agcggccttg	gtggtggcca	cgatgccgcg	caggaggctcg	cacagcaggt	tgctgtagtg	660
ggtcacctgg	ctgcgcacgt	cagcagcctt	ggcctgcctg	gacagtgtgt	ccccgatgaa	720
caccagcttg	tgggcgctga	ggatgacgaa	cttgctgtgc	gccacaaaga	tcttgggcgg	780
ctggttgggt	gccacggcgg	taaagaaggc	gtccacggcg	ttggtcagtg	tggtcagggt	840
ggcctcacac	tgctccaggt	agaagagcag	cagctgccgg	tcgaggggcc	ccaggccgcc	900
tggttcgccc	ggggccaggg	gttgggctgg	cgtccagttg	gccaggctcg	ggtctatggg	960
ccgtgacacc	tcctgttcca	gtcgttcaaa	ctgcttcagc	tgctgcaact	ccagctggct	1020
cttgccctgc	cgcgtgatgc	tgcccttttc	cagcagctcc	ttctgggtct	tctcaaactc	1080
ctccttcccc	tgtagggtgga	cgtagtcata	gtcctccatc	cagccccctt	cgctgttctc	1140
gtactgcca	tctggcgagt	cctgggaggt	gaacttaggg	ggtgagggca	ggggtcgtga	1200
ctggatgctg	ctggtcttgt	cagtgggggt	ggggtgcagg	gtgccacccc	cctcaggccc	1260
cggggcagtg	gccttggtcc	gtctgaagag	cagtgaggca	ttgccgtgca	ggaaggaggc	1320
cagctgcttg	gcgtcctcgg	gcacagcccc	cgagcaggcc	accagccggt	ccaggctctc	1380
aagggtggct	ccagagcctc	ccgggccagc	gtcgagggcc	tgaccatgtg	ccaccagcgt	1440
ctggtgcacg	tcctccatct	tctgcagctg	ccggctaagc	ttggcatgca	gggcacggtc	1500
agatgtgtgg	gcagcattgc	ccaccgcgct	gcgggcaaac	tccaacagct	cgtggacggc	1560
actctggacg	gcggccacag	cagcctgcag	gtcctgcacc	agcggctcct	gtggctcaga	1620
ggggctacgc	cagctcccag	tcgcaccggc	gctgcctgcc	aggtccagaa	ggtgggcaac	1680
ggtggcgtct	acaccctgct	gcagccgtgc	cagggcctcc	acagcaactt	ccagctccag	1740
gggttccccg	cccggccctg	ccacctccaa	ggaggacgca	gactggctgc	tgctgtgtgt	1800
gccggtgctg	gaggccgaca	ggcgcttgcc	ctctgccggg	gcttcacgtt	cagctggggg	1860
aggcaccgca	tacacaccac	tgtcgaccac	gccaccatca	gccacctcag	gaggaagcac	1920
ccgttcacgg	ggcacatcgt	acagggtgcc	cgggccaggc	cgccgcaagc	cagggggcac	1980
gtcgtagagg	tcaggagccg	ggggcggcac	gtcatcc			2017

<210> 4471
 <211> 1562
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1478)...(951)
 <223> similar to gil006659 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4471
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 atgtatacat ttgcagtaat ttgtacaatc caactacatt acaattcaca gtaacataca 120
 ctagctctaa cctgccttgg atacaattaa gtctcctcaa cacactatTT tatcgccaaa 180
 cttacattct ggcttttata atcattttgc aacacctggt acagtataca cctatagctt 240
 tgccatagaa atgcccctaa atgcccctca gagagcagag gtgaatactt tctcatgaag 300
 aaacgccaac ttttctaagc gagttcgttt cagtagtggg agccattccc agtaggataa 360
 ctctaccaca cggtagccaa gccgagccag ctgccgcctc ttcattattgt gcagtccaag 420
 gagatccctg gagccatagc aatactgggt cctgtttgtg aactgaacag ccagcttcat 480
 tcttgggggtc tgcatgcagg ctgcggggca caggccagcc atctccatgg cccctgattt 540
 atctgctaca ttgcaaagga agccccccag aggtacagct gccttattct ccaactccat 600
 gggctgctgc ccaggtctct actcagtttt gccctggaaa tgtcctcttg ctttcccttt 660
 tagtaactta ttcattcaaat catctgtaag gctgactccc acatgctcaa gccttaattt 720
 ggctacattt tcagccggcg tggcttctct attaaatggt aatggcttca ggttaacatc 780
 aagctggacc tctaagtcag aagatcgggt atgaggcaaa atcatatggt gcttgacgta 840
 ctgggggccc cccagcatgg tctccagtaa aaagacagtt tctaagaatt caggctttga 900
 attcatatcc ttctctgcta aataccacag caattcagac cctcttgct gaaggtgagt 960
 actaagacga ttgcctctgt aatctggaca ctcaatgcc aactgtaccat cgaggggtata 1020
 tagttcctta aggaggtcaa acttagttct ctctgagct aacctgacaa accctggact 1080
 gagagcgaaa tcaattaact ctactggaaa gtactccaaa aatgccaggc ccagcaggca 1140
 ggtgggcagg tgttctgggt actggttgaa ttcaggcatc tttctgtgaa tctcacttat 1200
 caggctggag taaaattctt ctgcattggg tggcttataa ttcagagttc caaatgacca 1260
 cagaatcttg gcaacatctt tacttcgaca gtgtgccact ctaggaggca aagacgcagc 1320
 cactgcattc attactcctt cattcaggaa gcgtaaggcc gagcagtaaa gagttaggtg 1380
 catgacacct tgaactccca gggaaggaat tcgctgagga gctatctctc caatctgctt 1440
 catgaaattg atgtgatcca cgtgagtga aacggaacatt ttaacaatat tctaagga 1500
 gcgactactc agatgctgaa tgtagcaca agccaagtct cccattttcc gtaggacata 1560
 tt 1562

<210> 4472
 <211> 2931
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (8)...(1007)
 <223> similar to gi769859 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4472

caccagatca	tctagtcaat	atatagaatc	atthttggcag	tcatcacaaa	gtcaaaactt	60
cacagctcat	gataagcaac	gttcagtgtc	aagctcagga	tatcaaaaaa	ctccccagga	120
atgggcccc	caaactgcaa	gaataaggac	caggatgcaa	aatgacagca	ttctgaaatc	180
agagcttgga	aaccagtcac	catcaacctc	cagccgacaa	gtgactggac	aacccccaaa	240
tgcactcttt	gtcaagagga	accggtggtg	gtactttcct	ctgatatgctg	ctcttgccctc	300
tgggagttht	tggthcttta	gtactcctga	ggtagaaacc	actgtctgtc	aagagttcca	360
gaaccagatg	aatcaactta	agaataagta	ccaaggtcaa	gatgagaagc	tgtggaaaag	420
gagccaaaac	ttcctggaaa	aacatcttaa	tagctcccat	cctcgggtctc	agcctgctat	480
cttactgtct	actgtgtccc	gagatgtctg	agaagcactt	aggtgtctga	gtgaacaaat	540
tgtgatgcc	tattcttctt	ttcgtagtgt	ccgtgccatc	cggattgatg	ggacagataa	600
agctactcaa	gacagtgata	ctgtcaaaact	agaggtagac	caagaactga	gcaatggatt	660
taagaatggc	cagaatgcag	ctgtggtaca	ccgttttgag	tcatttccc	caggctctac	720
tttgatcttc	tacaaatatt	gtgaccatga	aaacgcagcc	ttcaaagatg	tagccttagt	780
cctgactgtc	ttattggagg	aagagacact	tggaaacaag	ctaggcctaa	aggaagttga	840
agaaaaagta	agagattttc	ttaaagtcaa	gttcaccaat	tctaacacac	ccaactccta	900
caatcatatg	gacccagaca	aactgaatgg	cctctggagc	cgtatttctc	acttagttct	960
gcctgtgcaa	cctgaaaatg	cctgaaaag	gggcatctgc	ttataagaag	tgagagagaa	1020
gaaaaatcat	gtcccaagtt	ctgagaattg	ttcacacttt	ctaaccagag	acagaattca	1080
gagctctttt	tgaaagaact	agtttctttt	taaagaagtt	aagtgtcttac	ataaacatgg	1140
aacatataaa	tcattcattc	aacctaatta	tctgtgatat	gagagaatca	tttcagtttc	1200
cattgagagc	tctgttaaag	gtatcttagg	agtgcagatt	atatgcagtt	ccttagagaa	1260
tctgttttga	ttctgggctg	agttattaca	gttatggat	gaccagtga	agggatttgt	1320
gtcctttctt	atgaaccttc	ctgatttttt	aacttagatt	tctcactaag	tttcctgagt	1380
tattagtaag	attgtctcct	aaatgtaacc	agggattttt	ccattatgtt	cccttttata	1440
ccatttaggt	gtgagttcct	tagcttctgc	ctataggaac	ataagtaatg	aaaggtcatc	1500
taggtgtgtg	tttggaattt	ttttcttttg	ttttttggaa	aatggaaaaga	acaaggcaag	1560
gaaggaaaat	taatggggaa	gctgaaggga	ggaaatgtta	cagtaatcca	ctgagatgta	1620
gtttagtcaa	acatagggtat	atgaactgtt	aatcttggtg	gattccgttg	ggatttgttt	1680
tttacatctc	ctttttcctt	ccttgaagaa	aaattcttgg	ctgtcccaag	gattcttcat	1740
gtatattgca	aaatttaata	tatttgttca	cttgagtctt	aagagtaggt	caggccaagg	1800
cagggtggatc	acctgaggtc	agaagttcaa	gaccagcctg	gccaacatgg	tgaaaccccc	1860
tctctactaa	aaatacaaaa	attagctggg	cgtggtggtg	catgcctgaa	atcccagcta	1920
cttgggaggc	tgaggcagga	gaattgcttg	aacccgggag	gcggagggtg	cagtaagccg	1980
agaccatgct	tattgccctc	cagtctgggc	aacaaaaatg	aaactccgtc	tcaaaaaaaa	2040
aaaagtaggt	caattcgaaa	cagtttattt	gggacacacc	ctgaagcttt	tgttttgaat	2100
taaaaaatga	gttttcaggaa	ttgacaaaacc	atthtgttaac	cagctgtcct	gggctattga	2160
agaagatttc	atthttccg	catccacttg	ttgcagtcca	agtcctctag	tgcaacgcca	2220
tagcaaatat	aaagattttac	tatgcacgtg	atacatttta	tggagtgcct	caagccaaga	2280
tagtgaattt	atatgaagg	tgtgaaatgt	atthctttac	tactatagta	gttttagttat	2340
aactttgcat	ctataattga	gctttctcat	ctgtcaaatg	ctatggtttt	cttaaaatgt	2400
tacaattcta	gatctatcca	ccttgthttt	ttattgtcta	caaaccatta	aatgtaaata	2460
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agtttttgaa	aaggcttatt	ttatacatat	gtattatata	gagaaacaaa	tgtttttatt	2700
aaatgtttca	ttgacccaag	taatttaaaa	gtaatatgtt	acctatgtct	ttcaggaaaa	2760
ataattatag	cagctgatct	gtaaatgact	ttaaaagcta	tttttagtaat	ttaaataaat	2820
ttactttctt	ggtttatact	ctctatgtgt	tataaactta	atgattttatc	atcttttaaaa	2880
aaagaaatcc	aagtattttc	cttgaacaat	tgtagcaact	ctggctagga	g	2931

0015733 01100

<210> 4473
 <211> 1310
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (442)...(606)
 <223> similar to gi214636 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4473
 ggaattccag agaggcgtgt tggacaccat gactttccgt ttctgttggc tgcgcctggt 60
 cactgctatg gcagaataaa gcctggagag agacatagcc tttcaactca tgcttgtctg 120
 atctttacct ggttttacag aaaagcacag tagtgagggt attttgattt agagctgttc 180
 cccatctgat gccaggatcc cttcaacagt ggtggaggag gtttagacac agtggtgagt 240
 ttgattccct ctgtcttttc tcgtagtttg gcctgtcact gctcctcatc ctctgagcc 300
 gtggtgaaga cctacagagt tcagaccctg ctacagaatc aacacaaaat aatcagtggg 360
 cagtgcggac tgtttcttct cttattttaa gttctttgag gtaatctttt aaattttttt 420
 ctctgatat tattatgggt cttccctgtc aggacggagg tgatgttcat ggcaacacga 480
 gaacttctgc ggattcccca agcagccctg gccaaagcaa tctctatacc taaaaacct 540
 gtgtccctct tttctcgcta tgttgaccgg cagaaactga acttgctgga gacaaaactg 600
 cagctagttc aggggatacg ataaaagatc tccaaatgtg tcctgtacct ccttttggt 660
 gccacctgca ctgctgccat caccaatgga gtgtttttaa tgagggaagg aaggtagctt 720
 tttcccaaaa gcaaagtctt gtgggatcga ttctgttta caggggttgt ctctctaaat 780
 gtcagatatt tccccactgc tctatgaaat ttggctgggt gatacttctg ctgggttctt 840
 taccttctgt gttacagttc tgcattgtct acttttactc agttctgttt tgcattttct 900
 ttgccctaga gacacaagtg taatctctcc ctttatccct ccacttactc cacctcagag 960
 tagattgtag cctgccaaag gattccttcc ctcatcctat tgaagttgtt ttttcgttgc 1020
 ccccatatta atatgactat agaagagcca attaatgata aatcaagata tacacacaca 1080
 catagatata cacacacaca cccatacat gtatttatgt ggtcttcaga gggtccttaa 1140
 agaatgaatt ttagattgaa aaatathtag ttgtctcatt acctcttcta aacacaaacc 1200
 agctgatgta ttttaattctg tttctgttct atcttgtaat taatttggtg gggtccacct 1260
 gttttaacat aaataaagag tatggcaggc acgtttaata aaaaaaaaaa 1310

<210> 4474
 <211> 908
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (8)...(781)
 <223> similar to gi5830312 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters


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<400> 4474
gcacgagggtg ccttctcttc aaacctctga ccctctgcc aaggctctgtgc agagatgcag 60
cgtggttagta agtcagccca acaaagagaa ctggtgtcag gaccatcttt acaactcctt 120
gggtcggaaa gggatcagcg ctaaatctca gccttatcac aggtcccagt catcttcctc 180
cgtcttgatc aacaaatcaa tggattccat caactaccct agtgatgtgg gaaagcagca 240
gctgctgtct ttacacagaa gttcaagggtg tgagagtcac caggacttgc tgccagatat 300
tgctgactcg catcaacagg gcactgaaaa actctcagat ctcacactcc aagactcaca 360
gaaagtgtgt gtggtcaata gaaatttacc cttaaagtcc caaattgcaa cacagaatta 420
tttttccaat ttcaaagaga ctgatggaga tgaagatgac tatgtggaaa tcaagtcaga 480
agaagatgag tcggagttgg agctatctca caatcgtaga aggaaatctg actcaaagtt 540
tgtggatgct gacttttctg ataatgtctg cagcggcaac acattgcatt ctttgaatag 600
tccgcgcact ccaaaaaagc cgggttaacag caaacttggc ctttcacat atctgacacc 660
atataatgat tctgacaaac tgaatgacta tctttggagg gggccatctc ccaatcaaca 720
aaatattgtc cagtctctaa gggaaaaatt tcagtgtctc agttcaagca gctttgctta 780
aggttcttca taataactgc ttgaatcaac ttcttatatt gctcataaaa cgttacagat 840
actgatgagg tgttttatgt ataccagatt aaaacaattt tgtaagaacc agaggtgtaa 900
aatatact 908

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<210> 4475
<211> 1364
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (53)...(1072)
<223> similar to gi3170548 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

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<400> 4475
gacccccgtc tgcaggaatt cggcacgagg aaagactgct gatgaaatat gtaaagctat 60
tcatgtatct gacttgaaga cactgcctgt ggactttgtg gaatgcttga tgcggttcc 120
accaactgag aatgaagtga aagtgtctcg gctctacgag cgggaaagga agcctctgga 180
aaacttgtca gatgaagatc ggttcatgat gcagtttagt aaaatcgaga ggctcatgca 240
gaagatgacc atcatggcct tcattgggaa ctttgctgaa agcattcaga tgctgactcc 300
tcaactacat gcgattatag cagcatctgt ctctataaag tcgtcccaa aactcaagaa 360
aattctggag atcatcttag cccttggaat ctacatgaat agcagtaaaa gaggagcagt 420
ttatggattt aaacttcaga gtttagatct gctcttagat acaaagtcaa cagacagaaa 480
gcaaacactg ttgcactata tatccaatgt ggtgaaagaa aaatatcacc aagtgtccct 540
gttttataat gagcttcatt atgtggaaaa agctgtgca gtctcccttg agaattgttt 600
gctggatgtc aaggagctcc agaggggaat ggacttgacc aagagagagt acaccatgca 660
tgaccataac acgctgctga aggagtccat cctcaacaat gaggggaagc tgaagaagct 720
gcaggatgat gccaagatcg cacaggatgc ctttgatgat gttgtgaagt attttgaga 780
aaaccccaag acaacaccac cctctgtctt ctttctgtc tttgtccggt ttgtgaaagc 840
atataagcaa gcagaagagg aaaatgagct gaggaaaaag caggaacaag ctctcatgga 900
aaaactccta gagcaagaag ctctgatgga gcagcaggat ccaaagtctc cttctcataa 960
atcaaagagg cagcagcaag agttaattgc agaattaaga agacgacaag ttaaagataa 1020
cagacatgta tatgagggaa aagatggtgc cattgaagat attatcacag gtaaaagata 1080

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tttcttcact	gtggcccatg	gagatcccac	tggcctcacc	tagactggga	tgcatgcaga	1140
ttttgcagct	tcttttgtcc	agggttgtca	agttcattag	ttgactttat	tcacacccag	1200
agtgatgcag	agaggctttg	aagtccatth	acagcagcat	gtatactgcc	ccaatactct	1260
gcattgggaa	ccctgttaag	ttttcaggca	gagcttcctt	tcatttttaa	gggatttcca	1320
ttggtattga	tatgtcatca	tgctccatth	tttttttcct	cggg		1364

<210> 4476

<211> 1816

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1755)...(443)

<223> similar to gi3880293 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4476

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agcacaagcc	aagatggttt	aaatatcatt	tgcagatgtc	caagcttctt	tacaattaca	120
ggtcatgggc	atcatcaacc	tagtccttga	cttgagagca	aaaaaggcaa	aagggtctgtg	180
tgaagtgcac	gaagagcaca	ccctactcat	gtcatgagca	aggaatcaaa	gtcgaagaac	240
agtaacagtc	ttgacatcag	cactgtgaaga	attactctgc	agtaaaactcc	aaccacgaat	300
ggggaagaat	actgaattag	ctgagcacat	tctggacaca	attctgacca	atttcagtct	360
catgatctct	gttggagcag	gtttcattct	ccaattctct	tttacagaac	agcagaactc	420
gagccttcat	aaaagtgatt	aacggccttt	ccgcttcttc	atttttcctc	cagccacctt	480
gttcctgcac	ccaatagcac	cctctgtgtc	atcattatct	ccagcatcct	ctcgcgagcg	540
tttcttcttt	tctccatgct	cccttaactc	cattcgaggca	aacctttggg	cttcagcgac	600
gcgttctgtc	agcatcataa	cctcatcatc	ctgtgttgga	aaacctggta	gtttcttccc	660
aattaagtgt	tctatgcgct	ggaagagttc	cacatcatac	tgtgtgacaa	aagtaatagc	720
ctttccggag	cgcccagctc	tagctgttcg	acctactcga	tggatgtaat	ccttggaatg	780
ggtaggaatg	tcaaagttga	caaccacatc	tacatgaggt	atgtccaaac	ctcggctggc	840
aacgtcagtt	gctagaagaa	tggaaacgggc	cttggcctta	aacttattaa	gggatcctag	900
gcgcttactc	tgactcattt	gtccatggag	ggggatggca	gtgaagccaa	gatttcgcag	960
tagcaaagct	gttctctggg	tattattaca	ggtgctgcag	aatatcataa	aggagtttcc	1020
agccaattca	tttagaatat	aaaccaggta	ggtatccttg	aatttagagg	gaataaaaaat	1080
ataatattgc	tgtaattttt	caactgtctg	gtatttagag	gaaacggcac	atttcacagg	1140
attcttcaga	gctgctcgct	gaagtthttg	aaccttcttg	gtcatggtgg	cagagaagag	1200
gaatgttttc	cgatctcgag	gaatcacttt	gaggatcttg	tcaacctctg	tctcaaaatc	1260
catattcagt	attcggtcgg	cttcatccat	gaccaagtat	ttgagagctc	tcaagttgaa	1320
acctttcgta	ttttccaagt	ggtcaatcag	tcgaccagga	gttgctatta	ttatatgtgg	1380
tttttttgca	agggccaaag	attgagacat	tgaatcaatt	ccacctacaa	tcacagcact	1440
ctgcaactca	atagaggacc	ccagggtctc	aaactgctct	gagatctgaa	aggccagctc	1500
ccgagtcggg	gtaagaacta	gggcaaaaca	acgctgcggg	gtctccagca	gtgcgttttag	1560
aatgggcaaa	gcaaaggcgc	ctgtctttcc	agagccagtt	tctgcaagcc	caatgatatc	1620
acgaccttgt	aaggccaaag	gaatagcttc	aatctggatc	ttggtgggtt	ttgtccatcc	1680
caactggtca	caagcttcac	acaacacatc	tgtcacaccc	aggtctttta	atgttttagt	1740
ttcctcctct	tccacaatcg	gctgggacgc	ttcggtcgga	gaatcgtgtt	cctcgggtgc	1800
cgccatcttc	tcgtgc					1816

09488725.012100

<210> 4477
 <211> 673
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(674)
 <223> n = a,t,c or g

 <220>
 <221> misc_feature
 <222> (1)...(308)
 <223> similar to gi4206161 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4477
 gacagcattg cagaccatgt caacagtgt gctgtgaatg ttgaagaggg aaccaaaaac 60
 ttagggaagg ctgcaaaata caagctggca gctctgcctg tggcagggtgc actcatcggg 120
 ggaatggtag ggggtcctat tggcctcctt gcaggcttca aagtggcagg aattgcagct 180
 gcacttggtg gtgggtgtgt gggcttcaca ggtggaaaat tgatacaaag aaagaaacag 240
 aaaatgatgg agaagctcac ttccagctgt ccagatcttc ccagccaaac tgacaagaaa 300
 tgcagttaaa aaccaaattt cagtattatt ggtgccaaca tgtctatcct gaggaccttt 360
 gctgctgttg gacactccgt caccttttgg aacacaagta tatcaagata gtggctactg 420
 atgttcaagt gggattgaag tgtgataaat ggatataatt tgttgtttgc tggggtgttc 480
 atggagatgt taagagattg aggccctggg ctgagggtat ataatgtatg tcaggtaaag 540
 tttgaagact gccaaggagc agattttctc cctggaaatg tgaaaactgg aacctataac 600
 tctggataag ggacttggag anggtgtaga aacgttgggg gttatgggaa gacctagggt 660
 tccttcccat aaa 673

<210> 4478
 <211> 1520
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (48)...(944)
 <223> similar to gi2739048 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4478
 gaaacttatc tccataagtt aaaacaaata gggttgacctt atatgggttta ctttttccca 60

```

ggagtaaaga aaattgtgtt gtggataaca tcaaagtgtg cagtaatgac actgggagtg 120
gaaaattcaa gtgtgttttc atcactatga gagtgccctc gaacccaact atcggagata 180
aatttgccag tcgcatggg cagaaggga ttttaagcag attgtggccg gctgaggaca 240
tgccttttac tgagagtggg atggtcccag acattctgtt caatcccat ggttttccat 300
ccgcatgac cattgggatg ttaattgaga gtatggccg gaagtctgca gctttgcatg 360
gtctctgcca tgatgtaca cccttcatct tctcagagga gaactcggcc ttagaatact 420
ttggtgagat gttaaaggct gctggctaca atttctatgg caccgagagg ttatatagtg 480
gcatcagtg gctagaactg gaagcagaca tcttcatagg agtggtttat tatcagcgct 540
tacgccatat ggtctcagac aaatttcaag taaggacaac tggagcccga gacagagtca 600
ccaaccagcc tattggggga agaaatgtcc aggttggaat ccgttttggg gagatggaac 660
gggatgcgct tttagctcat ggtacatctt ttctccttca tgaccgcctc ttcaactgct 720
cagatcggtc ggtagcccat gtgtgtgtga agtgtggcag tttactctct ccactgttgg 780
agaagccacc cccttcttgg tctgccatgc gcaacagaaa atacaactgt actctgtgta 840
gtcgagtgca cactatcgat actgtttctg tgccttatgt ttttcggtat tttgtagctg 900
aactggcagc tatgaacatc aaagtgaac tggatgttgt ttaacttgat gttgacctt 960
tggattaaga ggactatcag attaaagcaa aatgtaattt taattcaatg aagatatcat 1020
taccaggtta ctcttgagat ttttcaacgg tgtagaact ctcaaccaag acctgaaaac 1080
caagtatgca aggtttctga atctctctgg tagattaact attgacaatg attttctgtt 1140
atctttgttc aaaaagttca tgtcttctca aaatatgaaa tattgataaa tggaagagca 1200
tacggtgaca agtctccttt ccaaccccag gttccctaca ccctgctctc agcaggcagt 1260
gagtgtcaca cacctgttaa tccatcttga gcaggacagt actatacaaa tagaatgcaa 1320
gctgtaattg aattttatat tttcttatag ccacgttgaa gtaaaaacaa acagggtacag 1380
tgtttttttac cagctttata gaagtacagt tgttacatat ttaatgaata caatttgatg 1440
ggtctgacta tatgcacaca cctttgatac catcaccaca atcagggtaa taaacatacc 1500
tgtcatctcc aaaaaaaaaa 1520

```

```

<210> 4479
<211> 598
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (15)...(436)
<223> similar to gil009457 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4479
ggcacgaggt tacttgggtg accaatagac agaagcacct acgtttttata aaggaagaac 60
tttatccctc ttggtctgtg gaggtagttg ctgagtggtg ctgggtaaaa ataaccaatt 120
caggagaatt tgtgttccca ttagattctc cacacaaaaa gccctatgaa ggtcttatac 180
tggtggaggg tcaagaaaaa actgctctac cattgaggaa tgcagatgta aacgtgctcc 240
ccattccaga ccacaaatta attgtcagcg tgccctgtac tcttcactca cataagccac 300
cgcttgctga ggttttaaaa gactacatca agccagatgg ggaatatattg gagttgtttg 360
ctcgaaattt acagccaggt tggactagtt ggggcaatga agttctcaaa tttcagcatg 420
tggattattt tattgctctg gagtctggaa gctgactatg atcttgatta aagtagtgga 480
ttcttcattg ttctctcacc acttttccct taattctaag tcattttttt ttttttgtaa 540
ccaccccata tttttaaaat tataaacggg acttggtttt ttcttttaggg gaccaaatt 598

```

<210> 4480
 <211> 367
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (42)...(163)
 <223> similar to gi625056 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4480
 ggcacgagcg cagcttggtga ctctgcctc tctgaccccg ccagggtggat tacaaaagctg 60
 acgagtggct gatgaaaaaac atggatcccc tgaatgacaa catcgccaca ctgctccacc 120
 agtcctctga caagtttgctc tcggagctgt ggaaggatgg tacgcccttt gcccttcgcc 180
 cctgcctcc tcttggtctgc ggctggctcat cttccacact ccacagtggg ccgagctgcc 240
 aaacaagggg tacacatgtg cccctgaca taggccaggt ggtctctgcc ctctgtagct 300
 cccatgagag agggctcctc ggaccgaaac aggaggccac tgcccttgcg cacacaccgt 360
 ggccggg 367

<210> 4481
 <211> 1688
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1263)...(358)
 <223> similar to gi2088731 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4481
 tttttttttt ttacacaata ttatatTTTT attttttaaac actgaattgt acatctttca 60
 cataaaacat gagattctag cctgttttaa aaaataagta tacttgctag tactatcttc 120
 actctttttt tttttcagaa gccaatgttc tctaaatctg cagcttcatt tccacagctt 180
 tacagaatca taatctcttg aatatatttc caatgttatt aaaaaataaa aaatcatata 240
 agatatattt agcacattaa aacttaagag gttacagtat aactgtccag acctccaggt 300
 accactgaat acttttccag tacaaagagg ccaatatgtt agaataatta atttctctgta 360
 ttacttttta ttaaaaagag gtttttggtg gtaagaacaa ataatctctc atttggtgcc 420
 tgaaatccta aaataggatc attggtttct aggcttgcta cttgctgctt agcaacctgt 480
 cctacttgcc tgccttcctt tctgttgtaa agtacagtgg acatgggagc aggctgacga 540
 tagatgaata ctgcacgaag gcactcacia agggctgcat acgagtaatt tggagcacag 600
 gcaaaaaatt ttttgtctct ctttgatgct tggacatagc ctaaagcatt gaaagttgcg 660
 atgtgctccc acatatcatc ttgtttgctg gagtgtggtt gccagagtag ggcatcaaca 720

tcatggcgca	aacagaagca	gggcatttct	ttaggatcca	ctatgacaga	gaaaaggtag	780
tggttgcttc	caagattcac	cacatgagta	gtttttaatg	tattgccatc	aaatctgcat	840
aaactggagc	tctcttcaaa	gaaaatatca	cattcttcta	actcttgagc	attgcaaggt	900
ggtttttctt	tatctggatt	tggattcagt	tcttcagagg	tcaaattgcat	caaacgttca	960
gctattgcag	cacactgggc	tgaatctctt	ataagttccc	cttgtttatc	tccaattact	1020
agctctggcc	aggtcagtc	ttcattcttc	ttaatcaagg	aaatctccaa	gctattactc	1080
tctttaatta	tccatgtact	gctttcatga	tcaatagatg	aatagagttt	tccttctaaa	1140
aactggtgat	ccttcagtac	aatgttgatg	tgatcaggca	aaaactgtat	ttgaatgtcc	1200
tccttagtat	tgtcttctgg	aagccgtatg	gttactgtca	aatcatcttc	agtctgttgc	1260
cagtaataca	gaggttcttt	gattttctct	gatatgtctt	catccatatt	ttcttcaaga	1320
tcttgaccag	cctgaacaaa	tgtaaagac	ttgtaggata	caatcattag	accatttcca	1380
tcaggctcaa	tagcagcata	atgtggcact	gactttccac	ggagaatatc	acgcttaata	1440
atttcatatt	ttttattatc	ttgatttttc	ttactgatag	tgaccactc	cagagaaaca	1500
tagaaaccac	ttcctttcat	atccaattcc	tctttctcta	ttcgaagaag	tagggtagct	1560
atagaatgtt	cttcagcatt	tagcagtgag	atactgtgaa	ttataataaa	aggatcccca	1620
agttcttcat	taaacataat	ctcccatttt	tcagaagcgc	tatttccacg	ttcacctgtt	1680
ccaatgac						1688

```

<210> 4482
<211> 1575
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (335)...(629)
<223> similar to gi3319884 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 4482	
ggatttcgtt	tcctccggct
agggggggtt	tgaaaggaga
ccccactctg	tcttgttact
ggtctgtgct	gagaataatg
ttgcagcagt	tttctacgtc
gatggaggaa	cctcagaaaa
caaaagcacc	ggccctcaga
cctggttaac	cccaccacct
atggtgggca	tcttcaaaga
ccccaaagtc	agtattctcc
actgagattt	gaagacattc
gaaatatggg	aatgatcaga
gggaggggga	ttcttttagc
cgtctatcac	tgagacagca
caaattggac	gcggaagaag
ttacagggaa	aggtttttat
ggaagaattt	tccaagacgc
catggagcta	gaacgtgtca
taaggctgtg	aaccaggga
gctgagctgt	ctctacctgt
ggagtgaggt	gcggttgaggt
acggggccgg	ggcacgcttc
ctcttccctc	gctcccgagg
gtggaatgat	taatgatgtt
gaaccagaaa	tttgctaaga
atgaacctct	
tgccactgct	gctacgacat
tgccgtcact	gccttgcttt
agagaaaaat	gggaagggtt
ttatttccctg	atgccattag
caaagtcttg	cagcctttca
ggccgagcga	atcagcagat
ggagtggcag	tggtcctgct
ctgggtccaca	aggctgtggc
ctggggccctt	gggcatctct
ttgcttttaa	ctttgacaga
agccacagga	gagccatcct
ccccagaatc	tctgggaata
gccctcaaga	gctccccag
accttcctac	ctttcatcca

caccatctgc	cctctgcaag	aagacagctc	tggggaggac	atcgtcacca	agcttctgga	1260
tcttaaggag	cctacgtgga	agcagtgagg	agagttcctg	gtcaaatact	ccttccttcc	1320
ataccagctg	attgctgagt	ttgcttgagg	ctgggtggag	gtccattact	ggacatcacg	1380
gtttctcatc	atcaatgcta	tgttactctc	agttctggaa	ttattctcct	tttggaagaat	1440
ctggctcgaga	agtgaactga	agtaagtatg	ttttaatggg	tgtcacaaca	ggggatggga	1500
aagaaatacc	aagtgaagaga	aagatcctct	tttatttctc	acacttgaaa	taaatcctcc	1560
atccacccag	aaaaa					1575

<210> 4483
 <211> 1719
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1720)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (206)...(1286)
 <223> similar to gil944136 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4483						
cccgccctcc	aatctgcttc	catggggggt	ggctttctga	gtggggagaaa	tgactctaata	60
ctggagacat	ttgctgagac	ccttgctgct	ggtcacttcc	gctcccagga	tccttgagat	120
gcaccccttc	ctgagcctag	gtacttcccc	gacatcagta	accaagctca	gtcttcatac	180
aaagcccaga	atgcctccat	gtgacttcat	gcctgaaaga	taccagggtca	ttttcttggt	240
gaacagtggc	tcagaagcca	atgagctggc	catgctgatg	gccagggcgc	actcaaaca	300
catagacatc	atttctttca	gaggagccta	ccatggatgc	agtccttaca	cacttggtct	360
gacaaacgta	gggatctaca	agatggaact	ccctgggtgg	acagggttgcc	aaccaacaat	420
gtgtccagat	gtttttctgt	gcccttgggg	aggaagccac	tgctcgagatt	ctccagtgc	480
aacaatcagg	aagtgcagct	gtgcaccaga	ctgctgccaa	gctaaagatc	agtatattga	540
gcaattcaaa	gatacgctga	gcacatctgt	ggccaagtca	attgctggat	ttttcgcaga	600
acctattcaa	ggtgtgaatg	gagttgtcca	gtacccaaag	gggtttctaa	aggaagcctt	660
tgagctgggt	cgagcaaggg	gaggcgtgtg	cattgcaa	gaagtgcaga	caggatttgg	720
aagggtgggc	tctcacttct	ggggcttcca	aaccacgat	gtcctgcctg	acattgtcac	780
catggcctaa	gggattggga	atggctttcc	catggcagca	gtcataacca	ctccagagat	840
tgccaaatct	ttggcgaaat	gcctgcagca	cttcaacacc	tttgagggga	accccatggc	900
ctgtgccatt	ggatctgctg	tgcttgaggt	gattaaagaa	gaaaatctac	aggaaaacag	960
tcaagaagtt	gggacctaca	tgttactaaa	gtttgctaag	ctgcgggatg	aatttgaaat	1020
tggtggagac	gtccgaggca	aagggtctcat	gataggcata	gaaatgggtg	aggataagat	1080
aagctgtcgg	cctcttcccc	gtgaagaagt	aaatcagatc	catgaggact	gcaagcacat	1140
gggactcctc	gttggcagag	gcagcatttt	ttctcagaca	tttcgcattg	cgccctcaat	1200
gtgcatcact	aaaccagaag	ttgattttgc	agtagaagta	tttcgttctg	ccttaaccca	1260
acacatggaa	agaagagcta	agtaacattg	tcagaaataa	ataaaaccac	aagtctcaag	1320
aatttgccac	gtatgttcaa	gggtgaattt	gaagaatttc	agaaccactg	gtatccagag	1380
aaagcctgca	gctntccaca	ggagctgtaa	aagtcattgt	gctgctacca	ccatatgtgt	1440
acagaccctc	ttacgtgaga	atcgatgtca	gggaagtccc	gtactcgaga	taatctaata	1500

gtagtagga	tgtattgatc	cgttcatgat	ggtaccagat	aggatgattt	gcatgactta	1560
gaactttggg	gaaaaaagag	aaaagatata	ttgtgttgcg	ggtcttggtg	tgcgtatgcg	1620
gacagtccat	cntgacatct	cgттаaccgc	cctaccgatg	acgtcgctcg	tgtggggacc	1680
ccgtcttctc	cggacgggtcc	caaacgggct	ggtgcggtc			1719

<210> 4484
 <211> 820
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (283)...(761)
 <223> similar to gi5832796 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4484						
ggcacgagcc	cgtctccagc	ccgggcttac	gccccgccga	cagaaaggaa	gaggttttat	60
cagaatgtca	gcatcacaca	gggtgaaggt	ggctttgaga	taaacctgga	ccacaggaag	120
ctgaaaactc	cccaagccaa	gctctttacc	gtccccagcg	aggccctggc	cattgcagtg	180
gctactgagt	gggattccca	gcaggatacc	atcaagtact	acaccatgca	cctgaccaca	240
ttgtgcaaca	catcattgga	caacccaacc	cagagaaaca	aggatcagct	gatccgggca	300
gccgtgaagt	ttctggacac	cgacaccatc	tgctacaggg	tggaggagcc	cgagacatta	360
gtggaacttc	aaaggaatga	gtgggatcca	atcatcgaat	gggctgagaa	aagatacggc	420
gtggagatca	gctcctccac	cagcataatg	ggaccagca	tccctgcaa	aactcgggag	480
gtgctcgta	gccacctggc	atcttacaac	acatgggctt	tacaagggat	tgagtttgta	540
gctgccagc	tcaagtccat	ggtgctaacc	ttgggcctga	ttgacctgcg	cctgacagtg	600
gagcaggccg	tgctgctgtc	acgcctggag	gaggagtacc	agatccagaa	gtggggcaac	660
attgagtggg	cccatgacta	tgagctgcag	gagctgcggg	cccgcaccgc	cgccggcacc	720
ctcttcatcc	atctctgctc	cgagagcacc	acagtcaagc	acaagctcct	gaaggagtga	780
ggcctgggca	gagcacactc	agcaggatag	aggcagtga			820

<210> 4485
 <211> 1220
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2)...(763)
 <223> similar to gi33980 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters


```

<400> 4485
gctggaggaa gtactcaaga gtgagctgag tggaaacttc gagaagacag cgttggccct 60
tctggaccat cccagcgagt acgccgcccg gcagctgcag aaggctatga agggctctggg 120
cacagatgag tccgtcctca ttgagttcct gtgcacgagg accaataagg aaatcatcgc 180
cattaaagag gcctaccaa ggctatttga taggagcctc gaatcaaag tcaaagggtga 240
tacaagtgga aacctaataa aaatcctggt gtctctgctg caggctaata gcaatgaagg 300
agatgacgtg gacaaagatc tagctggtca ggatgccaaa gatctgtatg atgcagggga 360
aggccgctgg ggcaactgat agcttgctgt caatgaagtc ctggccaaga ggagctacaa 420
gcagttacga gccacctttc aagcctatca aattctcatt ggcaaagaca tagaagaagc 480
cattgaagaa gaaacatcag gcgacttgca gaaggcctat ttaactctcg tgagatgtgc 540
ccaggattgt gaggactatt ttgctgaacg tctgtacaag tcgatgaagg gtgcggggac 600
cgatgaggag acgttgattc gcataatcgt gaccagggcc gaggtggacc ttcaggggat 660
caaagcaaaag ttccaagaga agtatcagaa gtctctctct gacatggttc gctcagatac 720
ctccggggac ttccggaaac tgctagtagc cctcttgcac tgagccaagc cagggcaata 780
ggaacacagg gtggaaccac ctttgtcaag agcacattcc aaatcaaact tgcaaatgag 840
actcccgcac gaaaaccctt aagagtcccg gattactttc ttggcagctt aagtggcgca 900
gccaggccaa gctgtgtaaa gttaagggca gtaacgttaa gatgcgtggg cagggcacct 960
tgaactctgg cttagcaagc atctaggctg cctcttctact tttttttagg catggtaact 1020
ggatgttttc taaacactaa tgaaatcagc agttgatgaa aaaactatgc atttgtaagt 1080
gcacatttag aaggatatgc atcacacaag taaggtagag gaaagacaaa attaaacaat 1140
ttattaattt tccttctgtg tgttcaattt gaaagcctca ttgttaatta aagttgtgga 1200
ttatgcctct aaaaaaaaaa 1220

```

```

<210> 4486
<211> 930
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (926)...(263)
<223> similar to gi5326797 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4486
tttttttttg acattacaaa gttttttaat tcttttaact tagtccagac acaagaagcc 60
agattatatt ttaggtgtcg acagaactat ttgtttaaaa tagcaagttc aggtgagtta 120
gtagtcatga aaattaaaaat gaaataccaa ttccatttcc tcgtgtacct ctttgcaaat 180
gtcggacaaa gcagagtttt ataatagttt aataacttgt gtaacaacgg tggctttggt 240
gtatctctaa agtggagtct ttaaattata aaggattttg tgtgcttgaa atcattttca 300
ctcattgtcg tggctttaga tgaagaatta ctcttctgga aggaggtttc ttttgaaaag 360
tagcctttcc tctgagcata gcatacacca aggccacaaa cggaatcac taaggccaca 420
actactacgg ctgctatgat gccacttatg ttgagatcat ctacttgcat tcgtttccca 480
ggacacctgc gatatccaac agaattgcgg gcttcacagg aatattctcc agtgtccagt 540
ttggaaacag tattaatttg cagagttcca gtttttgtat tcattgtgta tgagctgttg 600
gtgctttggg agccaagtct gggattttct agcaaacgga tgccatcctt aaaccatgtg 660
tattcaggag ctggattccc ttctttgtct tgacatcgta gctctaccac agttccactc 720
agagcagaag agggacttcc acatgatgga actgctggag ccactaatac ttccagagtg 780
actgtatcct cttccagggt ttggccttgc tcagatgggg cactaacttc acaacgatat 840
ttccccgcat cacttcttgt cacatttttg atccggatat tgaaatctat catctcagct 900

```

cgattttttaa aatcaccttg aagagtctgt

930

<210> 4487

<211> 493

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(243)

<223> similar to gi5650780 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4487

agaaaaggct	aggatgatat	atgaagatta	catttctata	ctatcaccaa	aagaggtcag	60
tcttgattct	cgagttagag	aggatgatcaa	tagaaatctg	ttggatccca	atcctcacat	120
gtatgaagat	gcccaacttc	agatatatac	tttaatgcac	agagattcct	ttccaagggt	180
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aaacacaacc	gttatggctt	ttgtctccat	ttttatcaag	gttttccatg	gttaagtttg	420
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<210> 4488

<211> 1917

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1877)...(899)

<223> similar to gil217983 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4488

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acacagcacc	atgtcctgag	ctgctgcctc	ctggactccc	gccagactgc	acctgacaga	360
caaagccaac	taggagggag	gggagtgagg	gagaagggtc	cacaggtgac	caatgcctgg	420

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cccccttcattg acagcagggg ctagggctgt cccacagggg ctagagagag gtgtggaagg 480
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<210> 4489

<211> 870

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(871)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (604)...(367)

<223> similar to gi3876766 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4489

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atcttggtct agccaattcc caccagttt ccaggagtct catttgatt tccgggagca 180
gctgtccaat gggaaggcag caccctgcc cccccacaa gggggcgga ctctgggtg 240
atcgaccac tcttggtatc cagggatggg gggaacgggc ttccactgag gtccgggtga 300
caggagggtg gtcttccctc aaggcagggt tggagttcag tggaggaggg agttctggcc 360
ttggaagagg cccagcagtc cgctgtctgg ggcgggctcc ttgatgagtt tctggatctc 420

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cttgaactgg	gggtggacgg	catcgccac	aagctgcaga	atgagccctt	cgctggtgga	480
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tgaggagcag	gcgtccacca	ccacatggac	ctgcagcccc	cggtctagga	ggtccagggg	600
cgtgttctgt	gggtagagag	aggtcagggc	caacccccga	taagaacggg	ggtcctgggt	660
aaggaattgg	ggatggtgag	tcagaattag	gggccagaaa	tggggaggag	ggaggctcgg	720
atcagaggaa	ggggcccca	ggtcaggagg	ggatccaaga	taggatgggg	cccacagggt	780
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<210> 4490
 <211> 6336
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (3)...(843)
 <223> similar to gi3876327 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4490						
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cagtcagggg	taaaaagaac	agtactacag	accaagtata	tcaggctatc	gcagcaaagg	180
ttggcatgga	cagtacgaca	gtgaattact	ttgccttatt	tgaagtgatc	agtcactcct	240
ttgtacgtaa	attggcacct	aatgagtttc	ctcacaact	ctacattcag	aattatacat	300
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<210> 4491
<211> 1572
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(563)
<223> similar to gi790790 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 4491
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tgaagtcttc gccagaaaac cttacagcaa agccgttgac tgctgggtcca tcggagtgat 180
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ctctgcaaaa gacttcattc ggaacctgat ggagaaggac ccgaataaaa gatacacgtg 360
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taatgccacg gccgtcgtca gacatatgag aaaactacac ctccggcagca gcctggacag 540
ttcaaatgca agtgtttcga gcagcctcag tttggccagc caaaaagact gtgcgtctgg 600
caccttccac gctctgtagt ttcatctctt ctctcgtcggg ggtctcagga gttggagccg 660
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actggatttat ttaaataattg gtaaataattg tgcattaggg tttgtttttc cttttaagaa 1140
gtatgtcctt tgtatctcta agttacatga cctatatctt ttcctcttta atagtagttt 1200
tatgttaacc ttttaagagat ttgtttttcc tcaaaggaga atttaaagggt atttttttta 1260
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gaggccaagt cgggcggatc acaaggtcag gagatcaagg ccatcctggg tctatactgt 1380
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agtcccggct actcgggtag gctgaggcag gagaattgct tgaacccggg agacggaggt 1500
tgcagtgagc tgagatcgtg ccactgcact ccagcctggg tgacagagca agactctgtc 1560
tcaaaaaaaaa aa 1572

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<210> 4492
<211> 1927
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (13)...(353)
<223> similar to gi4416432 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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```

<400> 4492
cggacgcgtg ggggagctgt gagtttcgag gatttcatca aagggtctttc cattttgctc 60
cgggggacag tacaagaaaa actcaattgg gcatttaatc tgtatgacat aaataaagat 120
ggctacatca ctaaagagga aatgcttgat ataatgaaag caatatacga tatgatgggt 180
aaatgtacat atcctgtcct caaagaagat gctcccagac aacacgttga aacatttttt 240
cagaaaatgg acaaaaaataa agatgggggtt gttaccatag atgagttcat tgaaagctgc 300
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aaatagatcc tgaatccaac agacaaatgt gaactattct accaccctta aagttggagc 420
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gttttaatat aaagcaatcc caaaagatt tgagctttca gttataaatt tgcacctttt 540
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cctaggattt tgaatggttt tctaatatag tgacatctgc atttaatttc cagaaattaa 780
attaattttc atgtttgaat gctgtaattc catttaaat ccatttatat actttaagga 840
aacaagatta caacaattaa aaaaacacat agttccagtt tctatggcct tcccaccttc 900
tgttagaaat tagttttatc tggcattttt aaacatttta aaattattaa acatttaaaa 960
attagtttat tatcagatat cagcatatgc ctaataaaaac ttattttaat aagcatttaa 1020
ttttccataa tatgttacag ccaaggccta tataataatt ttggatttgt tcaatctttc 1080
ttacaggctg ttttctattg tatcaatcat tagtatcaat cattaagtgg aagttgaaga 1140
aggcatcaaa caaaacaagg atgtttacag acatatgcaa agggtcagga tatctatcct 1200
ccagtatata gtaatgctta ataacaagta atcctaacag cattaaaggc caaatctgtc 1260
ctctttcccc tgacttcctt acagcatggt tatttatatt acaagccatt cagggaacaa 1320
gaaagaaacc ttgactaccc cactgtctac taagaacaaa cagcaagcaa aattagcaag 1380
caaaattcac tttgaaagca ccagtgggtc cattacattg acaactacta ccaagattta 1440
gtagaaaata agtgctcaac aactaatcca gattacagta tgatttagct catcataatt 1500
cagattatth ttaatcatct tagccaaaac tgtaaagttg ccacattact aaagccacac 1560
acatcgtccc tgtttttagt aaatatcaca aagaccaaga ggctacagaa ggaggaaatt 1620

```

tgcaactgtc	tttgcaacaa	taaatcaggt	atctattctg	gtgtagagat	aggatgttga	1680
aagctgccct	gctatcacca	gtgtagaaat	taagagtagt	acaatacatg	tacactgaaa	1740
tttgccatca	cgtgtttgtg	taaactcaat	gtgcacattt	tgtatttcaa	aaagaaaaaa	1800
taaaagcaaa	ataaaatgtt	aaaaaaaaaa	aaaaggggcg	gccgttttaa	aggatccagt	1860
tttacgaccg	cgggctggca	aggaaaaatt	ttttttatgg	ggccccctaa	attcaattcc	1920
cgggccg						1927

<210> 4493
 <211> 1770
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1771)...(679)
 <223> similar to gi5817263 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400>	4493					
tttttttttt	ttattttaag	gtatctttaa	atataaattg	aaccccagag	gcagaaaagt	60
catctaccca	acaccggcac	attttaaaca	tgattaggat	ttgtaggtca	aaatcccgtg	120
acaaaaaagg	gaagtttttg	gttgtttcca	aaacaaggaa	agcatgttaa	acagaatctt	180
gtgacttaaa	cttcactcaa	gtgagcttaa	aactggcata	attttgatac	caaaagtaag	240
ctgaataacc	aatacaaaaa	acagaactaa	ctggagtttt	tctcccccaa	aacatagtcc	300
caaatccaaa	acaacttata	taagggatgc	aagtaacaga	aaaagtcaaa	taaaacaaca	360
gtggttcctg	aattttaaagg	aaggatgccc	cacttctctc	tctctcaaga	ggcagatggg	420
tcagtttttc	ttatccttgt	ctttcttggt	ttgctgggcc	ccagattgct	gggcctggga	480
ctgtagtaac	tgagccgctg	ctttcttctt	ctggaagtgt	ttcacctcct	cctcaagctc	540
cttcttcttg	tcttccactt	tcttcttttc	ttcttggtgt	gtccgcttta	gaagggtcaaa	600
cttctcgtga	agctctttct	ctgcctcctt	aagttcagct	tctttctcct	tcactctcat	660
aacaaacatt	tgtctcattt	cttcttcttt	cttctgcagt	tctcccagga	attcattcct	720
ttttgcttca	tatgtctcct	gaagactgaa	gggtttgctg	tcagggtcag	tgtccttgaa	780
ccccatctct	tcaagcttac	agcgctcggt	caattcatag	tggcgggtgt	gagtctgctc	840
tcgcaagtcc	tccatgttca	cgcggatcag	catctctcga	agtttcacaa	aatcgcaatg	900
attttcattc	tcaacctgca	ccacacccca	gggttactgc	ctggcctttg	ccatcttggt	960
gccaatcttc	acctcttcgg	tgttgccaac	cactgcaaat	gggagatgga	cactcattgt	1020
tgcgttaatc	tctgccaccg	tttcttcac	agtgggaaac	tgatataatc	ggacccatt	1080
gctgaccagt	tcactcatga	tcttactctt	gaatttgtgc	agttcattct	tggcaatggg	1140
gtcagctttt	gcaattattg	gaatgatgtt	caccttactg	tccagctttt	tcatggtgac	1200
cagatccagg	gacttttagt	aatgtccagt	aggggcaata	aagtagaggc	aggcatggat	1260
cctcgtgtca	tggtagttga	agagagaacg	tttaattctc	aattcctctt	gcaggtaggc	1320
ctcgaactgg	gcatcaatat	attctactat	cggcttatag	ctgtcatctt	tatttatctg	1380
gtctccaaat	cccacgggtg	caacaatggg	taacttcagc	cgtacattgc	tttcctgaag	1440
ctcataactt	ctggctttta	accgaacacc	tggttcattg	tgagtagctg	ggtcactttc	1500
aaatttggtg	ttgaacaaag	tgtccattaa	cgtggatttg	ccaatgcctg	tctcaccaac	1560
acaaaggatg	ttgaaacaga	atccttgaga	agtagacttg	ttgaccagct	ggtcagggag	1620
gctgtcaaat	cccacatggc	cagacaaaga	caagtttcga	agctcttcat	tagacggtct	1680
ccccacggcc	acggccatcg	cagctgcggc	accggctccg	gctgcgcccc	ggtgctttcc	1740
gccgactccg	gctgctgcta	gtgctcccc				1770

004876.0100

<210> 4494
 <211> 1836
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (6)...(318)
 <223> similar to gi849238 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4494
 agacgctcac ggatatagtg ctctcctggt tccccttcta ctttgaactg aagatcgccct 60
 tcgtgatatg gctgctgtcc ccttacacca agggctccag cgtgctctac cgcaagtctg 120
 tgcacccaac gctgtccaac aaggagaagg agatcgacga gtacatcacg caggccccgag 180
 acaagagcta tgagaccatg atgaggggtgg gcaagagggg cctgaacctt gccgccaatg 240
 ctgcagtcac agctgccggc aagggccagg ggggtgctgtc agagaagctc cgagcttca 300
 gcatgcagga cctgaccctg atccgggacg aggacgcaact gccctgcag aggcctgacg 360
 gccgcctccg acccagccct ggacagcctcc tggacacccat cgaggactta ggagatgacc 420
 ctgccctgag tctaaggtcc agcacaaacc cggcagattc ccggacagag gcttctgagg 480
 atgacatggg agacaaagct cccaagaggg ccaaaccat caaaaaagcg cccaaagctg 540
 agccactggc ttccaagaca ctgaagaccc ggccaagaa gaagacctct ggcgggggcg 600
 actcagcttg agcccccca cccccgcagg ctgcagagca aggatgaagc ctcaggaggg 660
 gcctcagacc cagccccctg tccacactgt gccagtagcc taggtgtctc agggccctgg 720
 gccccgcaga tggccatttc cgggtgcctgc ccagtggcca ctcttctgga aggggcttgg 780
 aaaagaggaa ggaggcccag ctgttggggg tttgagggtg gaggtgggac cagaggctga 840
 ggactgagcc acccaaggag gtggggactg ctcggcctcc accgctgttc cgctgcagcc 900
 ccgccctgcc ccacccaccc agtgcccttg tgaagcccat agcaatccgc ttctcagagg 960
 tccatcgtg tttccactgc tcgccttggg tttgggagcag ggagggggaa gtcctagccc 1020
 agatggacca aggacgggccc tgaaggcaca tgggggaaag ggagcacacg gggaggacgt 1080
 tggggaccct ggggtggggcc tccaggtgca gctgtggatg gaagacaggg attggcctgt 1140
 gcttcagcga ccaggatggc caggccagag ctgcagctgg gggctctttt cctgggtcatt 1200
 ggggtggggct gagtgcaca tgttcccaca ttaaaaaggg ggggtccagg ctgtgtgagt 1260
 gtgtctttct ggggtctaggg ctcggggtag tttgggtcaa ggactgtccc tccagcagtc 1320
 gcctcctccc accctgagcc ccacagtcac ctggcccttt ccctgctcaa ccctccctcc 1380
 taggctctga gcctcagagg acccagccca tgagagaacg gggatctggg gggcctctca 1440
 cctgctccta tgaccttgct cccttttagg tcacccatt gccaccgtgc ccctgggctg 1500
 gactcccgtg ctctcaggg cccacccctg ctctgtctgg tacaggcccc tgctgagtgg 1560
 gcccctctcc tctgcccctg ggggccatcc cctcttgccc agggteccca tccgtacca 1620
 agcagactgg gccctaagac ccctggcaga acccagcctc tgctcacacc cgccccagct 1680
 tctgccacgg cttcagtcag ggccaggagg aacacgtgaa ggagaaagag aaatgcagga 1740
 gccgcggggc tcccggttcc ttgggaagag ggtgccatt ggacctttgg cactggatga 1800
 gccataaac caaactctgg cacctcaaaa aaaaaa 1836

<210> 4495
 <211> 1245

<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (42)...(813)
 <223> similar to gi309209 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4495

gtaactagta	catcgtaacc	acattacgcc	agcttggcac	gaggggaaca	ccaggcagat	60
tcatttatac	agcgctcaac	gaacccacca	tcgattatgg	tttccagagg	ttacagaagg	120
tcatttcctcg	gcaccctggg	gaccctgagc	gtttgccaaa	ggaagtaata	ctcaaaaggg	180
ctgcggatct	ggtagaagca	ctgtatggga	tgccacacaa	caaccaggaa	atcattctga	240
agagagcggc	cgacattgcc	gaggccctgt	acagtgttcc	ccgcaaccac	aaccaactcc	300
cggcccttgc	taacacctcg	gtccacgcag	ggatgatggg	cgtgaattcg	ttcagtggac	360
aactggccgt	gaatgtctcc	gaggcatcac	aagccacca	tcagggtttc	acccgcaact	420
caagcagcgt	atcaccacac	gggtacgtgc	cgagcaccac	tccccagcag	accaactata	480
actccgtcac	cacgagcatg	aacggatacg	gctctgccgc	aatgtccaat	ttgggcggct	540
ccccacctt	cctcaacggc	tcagctgcca	actcccccta	tgccatagtg	ccatccagcc	600
ccaccatggc	ctcctccaca	agcctcccct	ccaactgcag	cagctcctcg	ggcatcttct	660
ccttctcacc	agccaacatg	gtctcagccg	tgaacagaa	gagtgttttc	gcaccagtcg	720
tcagacccca	gacctcccca	cctcccacct	gcaccagcac	caacgggaac	agcctgcaag	780
cgatatctgg	catgattgtt	cctcctatgt	gaaagaattg	ccttgaagaa	ttgtattaat	840
gaagagggtg	gattctgcta	cagagagtaa	tctgatacaa	gtcccagagt	ggaactttta	900
actcaggcct	ttttaagagg	aatcacaata	actgcagatt	tttaaacaaa	caaaatcacc	960
gaccttgcaa	atactgaaat	tggaagaggg	atctgcaagt	gcagggtgtt	ggttaaagtt	1020
gtacctccca	agtatttggg	ggatatatgt	attctgtatt	gacaaaagca	aatccacttt	1080
ttctttttct	tttttttttt	ttaagcttaa	ttctgcaatc	atttgtcttt	tataaaccgt	1140
aaagctctat	acaagggaca	ctataaaaaa	aactccatgt	tttaatttat	gatgttttta	1200
aagctgtgta	aaggaagaat	gaagtgggtga	tatttacaaa	aaagt		1245

<210> 4496
 <211> 1105
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1106)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (2)...(690)
 <223> similar to gil504002 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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<400> 4496
ggtggaggaa tgtttcaaga acctgaaaat gaaggtggag aaggagtacg gtgtccgaga      60
gatgcctgac tttgacgaca ggagagtggg ccgtcccagg tctatgctgc gctcatacag      120
acagatgtcc atcatctctc tggcttccat gaattctgac tgcagcacc cagcaagcc      180
tacctcagag agctttgacc tggaaattagc atcacccaag acgcccagag tggagcagga      240
ggaaccgatc tccccgggga gcaccctgcc tgaggtcaag ctgcggaggt ccaagaagag      300
gacaaagaga agcagcgtag tttttgcgga tgagaaagca gctgcagagt cggaccctgaa      360
gcggctttcc aggaagcatg agttcatgag tgacaccaac ctctcggagc atgcggccat      420
ccccctcaag gcgtctgtcc tctctcaaat gagctttgcc agccagtcca tgcctaccat      480
ccagccctg gcgtctcag tggcaggcat ccctgggttg gatgaggcca acacatctcc      540
ccgcctcagc cagaccttcc tccaactctc agatggtgac aagaagacac tcacacggaa      600
gaaggtcaat cagtcttca agacaatgct ggccagcaaa tcggctgaag aaggcaaca      660
gatcccagac tcgtgtcca cggacctgtg agctgctgct gactagggt gcattggaga      720
gccagggagg ggagtctctg gaagaggaaa gccatgcgtg gaacatcgaa gcctcagaga      780
gtgggagact gtcccatca gttgtcctta cttagaggag acagagaggc caatcaggtc      840
ccagagctgg agtgctaaca agcccagcat cccctggggc tgtgatcatg gtggatgagg      900
aagcctcaac gtagattcct gaactcaagg taccagcaag aatgccttct cccagtgtgc      960
tctcccaac atcctaggca cagctttcat aaccagttt cttaggtgta agaaaactgct     1020
tttatctcat ttattaagtc tcagaactta acagaaaagg aagcctttta aatattcttt     1080
ttaattntat tttagattaa cagtt                                     1105

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```

<210> 4497
<211> 1013
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (72)...(635)
<223> similar to gi4240255 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4497
cccctaggag ccctgaacac catacgccag cttggcacga ggggagaagt ctcggtccta      60
taatggccag catggcagac agaaacatga agttgttctc ggggagggtg gtgccagccc      120
aagggaaga aacctttgaa aactggctga cccaagtcaa tggcgctctg ccagattgga      180
atatgtctga ggaggaaaag ctcaagcgct tgatgaaaac ccttaggggc cctgcccgcg      240
aggatcatgc tgtgcttcag gcgaccaacc ctaacctaag tgtggcagat ttcttgcgag      300
ccatgaaatt ggtgtttggg gagtctgaaa gcagtgtgac tgcccatggt aaatttttta      360
acaccctaca agctcaaggg gagaaagcct ccctttatgt gatccgttta gaggtgcagc      420
tcagaacgc tattcaggga ggcatatatg ctgagaaaga tgcaaaccgg actcgcttgc      480
agcagctcct tttaggcggg gagctgagta gggacctccg actcagactt aaggattttc      540
tcaggatgta tgcaaatgag caggagcggc ttcccaactt tctggagtta atcaaaatgg      600
taagggagga agaggattgg gatgatgctt ttattaaacg gaagcgtcca aaaaggctcg      660
agtcaatggg ggagagggca gtcagccctg tggcatttca gggctcccca ccgatagtga      720
tcggcagtgc tgactgcaat gtgatagaga tagatgatac cctcgacgac tccgatgagg      780
atgtgatcct ggtggagtct caggaccctc cacttccatc ctgggggtgcc cctcccctca      840
gagacagggc cagacctcag gatgaagtgc tggctattga ttccccccac aattccaggg      900
ctcagtttcc ttccaccagt ggtggttctg gctataagaa taacggctct ggggagatgc      960

```

gtagagccag gaagcgaaaa cacacaatcc gctgttcgta ttgtggtgag gag

1013

<210> 4498

<211> 1658

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1646)...(657)

<223> similar to gi3169705 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4498

tttttttttt	ttggctgcac	cagtgtat	ttccatccaa	aacatacaca	ggggaggctt	60
gatgccaccc	caggaaacag	aataacccct	tctagggact	tcttagcaga	gactgatctc	120
catctgcccg	caagggctgg	gtgtccaatt	tgctctgctt	cccagagctg	catggtgggt	180
agaggagtaa	gtggaacata	agaacaggct	tgcatgactg	tgtttatttg	aaccaccaga	240
tctgttccaa	taaagagctc	tccagaccct	gcctcacctt	acaggggaagg	gcttagagtc	300
aggggaagagg	ggcctgttgc	tctgtccct	gaaaaaggag	gtcaagatgg	agcccgggct	360
tcttggtgac	cattcagact	cctccactg	cttgtccctg	tggaggacac	aggacgggct	420
accccatctc	aggtttgggg	tgggatcgct	cacagtcacc	cccgaacag	ccccaaactga	480
gggtgggggg	cctggccctg	gacacctcat	gtctctgggc	cggaagcca	cgatccctca	540
tccatcaggc	ctgctgccgc	tctccacccc	agcgggggat	ggacatctgt	gctccctcgc	600
agtacactgc	ggacccagga	ggtcccttgc	atgacattcc	tctccttggc	ctcaggccag	660
caggcggctg	tactctgcca	gagcagagga	ctttctcacc	ccatcccaga	tccgggcagc	720
gtagtggaac	cagttcttct	cggtgaggat	cgtgtgtgac	agctgtggcc	gggccatgga	780
catcacttgg	ctccggagct	tgctcaccaa	ggactggaaa	ctgggggtggc	cacgataccc	840
aggcagcagg	gagaagagt	ggctggaacc	aggtcctgct	cttgggtgggt	tttcaactctc	900
tgcttcaactg	tccatgaagg	gtaccaggaa	taagttgacc	tcagagtcca	ggaagtcagg	960
tggaagcccc	gggaagacat	tgcattgtaa	catggacaga	gttcccttgt	aacgcagggtg	1020
ggagtggggc	atgagctgg	caatcatcag	gtgcatctgc	cgcagcttcc	gaggacagaa	1080
gtcctctcgg	cgagctttgt	tctgcaagaa	gactaggtgg	gggtagtact	cggtgccttc	1140
atcggagccc	gatgagctgc	tggactcg	gctgggggat	ggggtggagg	gcttcacccat	1200
ctctgctgtc	tgcaggaacc	tgtagagact	gaggtctgtg	aaccagtcct	ggacaacaat	1260
caccacatgg	cagaccgtga	aaagggaaggc	agcaatctgg	agtgactgca	tttcaacgta	1320
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gatagaagg	ctcaggatgg	gctgtgtgtc	caggaaaaca	atccgttctt	gggtaataaaa	1440
gaagtcgatg	ccactgggtc	ggttgcccc	tcgttccctc	atttcagcgc	tctgggccccg	1500
gaaaacataa	gtcctctgg	cctcctctgg	agtgttggct	gacaacaatg	acatgacccat	1560
ggacttgctt	gtcccctgga	ggcccaggac	accaaccacc	aacacatcag	tctgatccaa	1620
cagggtactcg	atgccactgt	cacgaattcc	acgtctgg			1658

<210> 4499

<211> 2108

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2021)...(1590)

<223> similar to gi3298605 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4499

tttttttttt	ttaggtttta	taattat	aattacaa	ttccacca	tcttgccag	60
catattattg	tggatatcac	aaatgaatta	tataatagta	tattaccta	tattcatctg	120
catgaaactt	aggagaaaagg	agagcagaaa	tgtataagtt	tctgagaatg	acaccataaa	180
gctcatat	acagtatggt	agtctgtaaa	catacaggcc	tgccagttaa	agcccactct	240
tctatcatca	cccagctgca	tgaccctgag	caagtcactt	ttgtttgcta	atttttaata	300
tcatctatca	cctgacttct	ctatctacga	gagttaactg	gctgcatgca	aaataccatg	360
aaaaatacca	tgacttttta	agtgtgaagt	agcactgtaa	agtgacttat	atattactgg	420
tctttctatt	tttagagtat	taatattcat	acatcagtta	aaagtcaaca	tgtgtttgct	480
aagtgatcct	tttgaaagga	tcccttttaa	agttcctagg	catcagcttc	actgacaatc	540
tggtatgatt	ctgaagccag	catttcaact	cttggaaga	tatacaatag	tcacagcttg	600
aattagtaac	taataaaata	aaatgccctc	ttatttctca	aaatgtaata	attcaggagt	660
aatgacatca	agatttttct	cctcaaaactg	aggagaaaaa	agcccccccg	tggcttggtt	720
aaatgactta	aaatacaagt	ggtaactatg	gtgactaggg	aaccaatggt	taaaacatca	780
aaagattatt	acaaaaatcc	aatttcccat	gaatttctaa	aaattaaaat	tctgagatgt	840
tgtgtctgag	aaactgcttc	ttcagcaaaa	tatttagcac	agactacatc	atcccaaatc	900
tatggtagtg	ccaggatatt	aggtccttca	accaacgttt	ttagaaaggg	tcccgttgct	960
ctttacttgc	aaaatgacta	tctctagggc	ctcaaaattc	aagagacaac	ctagctttta	1020
taatgttaaa	aagggaagac	tttggcatgt	aaactagaac	tacatgattg	tgaatat	1080
gcaaatgat	ctctatgtgt	atatacaagc	tatagctaac	atgattatta	caagttttt	1140
ggaagcttga	aggccaagga	aaataatctg	cacatataac	tttctgattt	atcaagtact	1200
gagatattaa	tgaattcttc	atattgttac	tcctgtatca	gttctttaga	atttcttagc	1260
ctttgggtac	tctaagcctt	ggatggaacc	atttagggag	tagctagata	tatgcaaaga	1320
atattaggat	ttagaaacat	ttctggttta	tcaaagtga	aagataaata	ttacaaacac	1380
tgaaaatgtg	aaaataaggt	tcaagagagc	tgcaaaactat	gtgggtacca	gttagaaagt	1440
atcttcatct	gactcatcac	tcttgggttt	ggtaagtctt	tctagttctt	ctccatcccc	1500
actggaacgc	tcccaaagat	tgccacttag	atctcgatc	ctttcttgcc	taggtgcgta	1560
ttccggaact	tgaggcttgc	tggcattata	aataaatata	gagagaagga	ctgatggggc	1620
ttccaagaaa	aattccaggg	agggcctgaa	gtcaaagacc	aggacagaca	ctgttgat	1680
aatgacagtg	gtaacctggg	ccatcaagac	atggaacatg	ttatccagga	acttcagaat	1740
gaaagccact	gaaaggccct	ggaatgcagt	tacaaaaata	agggtactg	aaaatgccct	1800
gtggccataa	aaaaatccac	agttctta	ctgatcacgg	ttactcctct	gaaggcccag	1860
agtcagccca	ttaaacagaa	tgccaaagaa	atagagt	ctgttctgta	tgaagatgct	1920
ttcagtgagc	tggttccctt	ccttcagtat	cttttcatta	tagatattag	ccattgaaga	1980
aataaaacac	tggactataa	taagaacatg	gcccattgcca	agacggatgt	gactgaaaac	2040
tctggctgtg	gtgttcatt	tagcttcagg	aaaagtccat	tcctttgctg	tacaattgtc	2100
ttttctgg						2108

<210> 4500

<211> 2017

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2016)...(1427)
 <223> similar to gi5579090 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4500

tgcaaggaaa	agtcacctac	ctccccaagc	tggtgcccac	agaggggggag	gcacctccac	60
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gccccctttg	gaacaaaagt	acaggatatgt	gcccgaatcc	tgccctcgtga	tgggccttca	180
tgatacgaac	ccccagcccc	ttaaaaaaaaa	ggttttatat	gaaagggttcc	atTTtgTTtc	240
tgtataaagg	cttttatcct	gtaaggaaaa	aaaaaaaaacc	caaaacccta	gacataataa	300
atgcctgttt	tctacaaaaa	caatgtctaa	ctctgggtgg	actgatctct	tctcaacagc	360
ccagggcagg	gctggtccct	cattcacctg	tgtccacagg	gccgaagaca	ctgcacacac	420
taggacagga	tttgattgaa	tttaaactct	gccacccacc	aaggagacct	ggggatatTT	480
aatgtttgag	ggccacacta	aacgatcact	gcagagaacc	acctcttttc	tttactgtag	540
tttaagtatg	ataagtgggc	tttgctatta	cttattggaa	aaaccagtaa	gaaaagctaa	600
tcttcagggt	tcaatgtgat	ttgacatgca	aacgggaagt	tttgccaggg	gttaataaag	660
gttgtgaatt	ccaaattcct	agccgaatat	ggctttgctg	gtaagcccc	tgggaaggag	720
gttgggaggg	ctgaccagat	ggatcatcggg	gcactgggat	ggaggcacgc	tggggcctga	780
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tctttgctgc	ctccagggtgc	cctctgaggg	acagacagct	gctccagagt	tgttcatgag	1020
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tgtggttcct	gggacttacc	aggcccaccc	ccatgcgcac	ttctccaggc	aggttctgag	1140
gactcttttg	acaattttctc	tttctttctca	accttcaat	ctcctaatacc	acccccctac	1200
ccccaatatt	ttcatagaaa	ctaagggaat	tttggagggtg	aaagaagtca	tctagtTTcc	1260
agtgtccacc	ctccccattc	tacagatggg	gaaaccaagg	cacagagagg	gcagtgcctt	1320
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gaggtgcttg	gccagcgcga	actcctcctc	atcaagcatg	ccgtcgcagt	cgcagtcggc	1560
cagcttccag	atcttgccca	ggacgctggt	gggcagcttg	gaggtcacca	tctccttctt	1620
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cccgtagccc	tgggtgaagg	ggccctcgggt	ggtgccatcg	aaggcgccgc	cctgcaccag	1800
ctgcgtgggc	gtgctcgtct	cctcctgggt	gatgagggtt	atgaggggag	agatcttggt	1860
gctcagcatg	ttgtccactg	cctcgatcag	cttgggcttc	agcgagtggg	atTTtgTgaa	1920
gtcatagtTc	tcaagctggt	cctgcatagc	cttgacctca	gggaagtccc	ctgcagaaat	1980
ctggtattct	cgctgtagct	gaatgtagat	ttccgcc			2017

<210> 4501
 <211> 1790
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1610)...(942)
 <223> similar to gil098569 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4501

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tgataattgt	aggcagtcag	tttagttagc	tgaacgttaa	tacagttatg	gattaagtgc	120
aaacaatata	cattcacagc	ttgactagcg	aggctacatc	acaatttata	aagtgccaga	180
ttagtgtctaa	ttgtcattca	gcttgatttt	tcacctcagg	gaagggaaaa	caaaaaagta	240
agggacctcc	tccctctagg	gaacaaaaaa	cattttccta	aaccaatcag	tcatgagggc	300
aaagactact	tttccttcaa	tcccactaat	tagaacacca	tccttttatt	gtcaatactg	360
tactgacttt	caatcttgat	aaagaagata	gcctgaaaac	gtagaatatt	tccagctact	420
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caagacctct	tcattcttca	tgagggttgac	atacagtggc	acattcactg	ccagcttttag	600
catgtgaaaa	atgaaaacgt	aagtgccatt	cactgggcaa	ttaaactctac	caagctgaag	660
atcaaaagtt	tctcctaagt	tgttcagaag	aagatcaaac	acaatagggt	ggtctaaagt	720
tccagggggc	agattagagg	ttctggctgc	tgagaaggca	actcgcatct	gctgaggcag	780
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accagatgtc	cctcctcgct	tataacactg	ctggaaatta	tccctttggg	aataagggtgc	1020
tccagaatac	tctctagctt	ggaactgcag	ctggctataa	tttccatttg	aaattgaagg	1080
gagtcctcta	taagtatcaa	aacctttata	accaccaggg	gaccgatagg	aattgggttat	1140
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aatagttcca	tcaggatgat	aatttgagc	ctcttgagaa	tggacagttt	gttctacatg	1320
tatagatggc	agttggcact	ggggtgggtg	ttgtgtactt	gctgtggtta	aactttgatt	1380
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actacttgct	ggaggtgact	ggaagccctg	ttcagagccc	tttgccatgg	gaggatttg	1560
agaagctagt	gaagacgggt	gcttgccctg	gggaattgct	gcctggggag	gagaaatgca	1620
gcatcagcca	atcacctgcc	atataacaag	cagttaaact	actctaaaac	ccaaactggc	1680
ataagtcagc	aagttcttta	ggatgacatt	tggacacagg	aatgcaaaaag	aatagctttt	1740
gcttacaatt	tcaaactctca	attgctgagg	atgcatacca	gtatttgctt		1790

<210> 4502
 <211> 1543
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1532)...(1351)
 <223> similar to gi5006445 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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<400> 4502
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aaccagaacc cccaggtgc ccatccagca gaaggccag gagggcagtg ggggtggcagg    180
gctaggcggt gctgggccac tcagtgccga cttggggaag tgcacgtcct gaacagcctt    240
gccaagcagc cgaccggtgg gaggacaggg gaagcctggc ccaagctgtg gacaagctgt    300
gtctgccgcc acagttaatc acaagcctct gacgacacag ggccacagag ctggtcactc    360
aacatctggt acaaagggtg aggtgaaatc cacgcgcagg ggattgctgt gccgtggggc    420
ggggccagtg tgcaggagtg tgttgggtgg gtctacgtga tcatacgggc tactaatcac    480
gggggctccc atgcgggggc aggactggtg gggggggggg cgggccaggg cggggcgggg    540
tggggtatcc cagtggctgc ttcgtgggcg ccctggggct ctgacttccc tcagcccagc    600
aggccacagg ggctgcctgc accacgacac tcgctggttt tatggcagga ggcagaagcc    660
gtggaagcga atggaaaaa gcacagctga cttcacagta gtagatactg gtgacacttc    720
atggctgcga ccagaaatga acttaacgca cacagggacg cagggtgtca ctggtcctgg    780
gcctttgtcc atgactaggt ggtcagcagg acttctgcag ctgactgtgc aatggctaaa    840
tgaaaaaaag gccacagact aacctccact ttcctgtctt caaaattcta gtgacactgg    900
gaatgctata ggacctccta ctattctctt aaggctcctag gaaagtttca ggaactaggg    960
aaaagactgg gtactgaggc tgtgtcccca gatgtctgct tccgaagcag ccgcgtcatg   1020
acgggtttct gctgaggaag tgggtttggc agggcccat atgccctctc gggttgtcag   1080
gggtgggaga caggctgtat ggggtcctt catgtgcaga tggaacagca tcgcctcaca   1140
gctgtgcaga cgaacagatg tggctactg ccacgaacaa tgcggcataa aactgatcaa   1200
tattataata aagatttgtc ttcttcatct ccataatcta caaagtgatt ctacatttcc   1260
ttggacaaca ctggaggggc cgctcagtct tggcactgac gctggaggcc atctccagct   1320
ccctggcccc tgtggcgagc tggcggttc aggtgtcaca ggccggctgc tccaggcctt   1380
cgagggggag ctggctcctg tggggggagt tggggctcgg tgggccgctg gggttggagc   1440
tattcgatgg agttgagtgt ttggtggagt ccgaatcagg ctctttgtca aagtcctggt   1500
ctggatcaga catacttctc agaggcacag tgcacgctac gct                    1543

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```

<210> 4503
<211> 2636
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2627)...(2265)
<223> similar to gi57527 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

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<400> 4503
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caagctgtca agacaggaaa atattactag ctttgttatt acaaaacaag tgagaatttt    120
taattcacaa aggatgaaaa cgcaagacat taatctcact gtacatacaa tattacaata    180
aactcgatta gctgtagact aataaaacat ttaagacttc acacacacac acacacacac    240
acacacacac acacacagc accttgaaac aagaaacaca ggacaatttt aatctttgat    300
atatgttcat gaacaccaag aacaagaaca tcaactgattt gagtctaatt gttttcctgg    360
gtatacaatc actaaataag caagatctaa agcatactgt attattaagg acatctttag    420
gcaaatataa acattctgga tttagggctt tttctcccca cccgaaaaca atctgcttta    480
gctatcaagt agtttggtt gttatcaatt taacacgctc acaacaacaa atacagactt    540
tctaccacaa aattcacggt gagaggtttt tagacagatc atacaaaaaa atacttgttc    600

```


ccaaggaagg	caatctgtaa	attataaatg	caaccctaag	aaaaaaaaat	cctgggcaca	660
aatcactcgc	tttcaaatat	tgatggagaa	ataaaaagtg	tacgttgtgg	gtggagaaat	720
gttggcattg	aagagaggag	aaaaggatat	aatgagggaa	agtgttattt	gccacaggaa	780
atattggatt	cagttgattt	ttaaaaatga	ggtataacag	tatgccagta	aatgaaaaaa	840
caaaaaaatt	agaaacccaaa	atgcacattt	ccaatggaaa	aatctctaaa	cctcttatag	900
ttttattaga	catttcatgt	acagaagtta	atctagaaaa	atacatttta	aaaatcttca	960
acagaccatg	ctccctgtaa	caaaaccttt	ccaaaccttg	tgttttatta	tacaaagcaa	1020
tctacattag	taggtaaaaa	gaaattctca	aatttagcaa	tgatcattttc	catccaacat	1080
ccatctaatt	tacagatggg	tttccactat	tcatactgga	attagaattt	ctgtaataaaa	1140
tttttttcta	atgttttctg	gtacatatta	aataacccaa	aaggttcctc	ttgtagtgc	1200
tgtgccattt	agcaagtcta	ttcagtat	ttccagtacc	attctcatta	cagtgtattg	1260
cctgtaaatg	tagttaatat	ctaaaagtgc	acacagttaa	ctttcccaaa	taacggacca	1320
tttctggagg	aaacttaata	ttcacagaaa	agattgccaa	taacaatgat	tagaaatgta	1380
gggttagaat	gtactctgag	actatacaac	acaattatat	acacaagcta	aaggacatta	1440
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taaaatgcc	tgaactgact	tccgctaact	aaaactccag	tatatcacag	tgttttaagt	1620
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agtaaaagac	agcaagcctt	catcaagggg	ttattttggg	gttataatga	attttggcac	1740
ttaagactgc	cactgcatgc	agaaaccccg	aaaaagaaat	acacaggttt	caaaatggat	1800
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ttttcttacc	aaattatcca	gtgtatatga	ctgggttagaa	ttttaagt	tgattttttac	1980
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aaataaaaata	cattgtgtat	aaacatttga	aatctgatgg	aatccagctt	ctattccaca	2220
ggttgtcttc	agtaagaatc	aacgtccgaa	gatggaaactc	agttccagaa	gaattaattc	2280
tacaatctga	ttctgggtaca	cagtatgaac	tgctatatta	ccagtctctt	tttctggtt	2340
taatagctg	ggaccaaaaa	caattgctat	actctgatag	gtcattcgat	tttctctctc	2400
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tggaactgt	ctgattaggt	ccttaacagc	agcgactcgc	tgtcttggtt	ctgtcttaat	2520
tgcattaaca	aaatcattaa	aatgattaaa	tgtaaaaaga	ggttctggta	attctcgaaa	2580
aaacattttg	agggctccag	taatgacatg	aatatcttcc	catttactgt	cattcc	2636

<210> 4504

<211> 2593

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2592)...(1037)

<223> similar to gi3721653 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4504

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tggttccttc	acagaaaata	agcctgttgt	gtgggcatct	tgcttgctg	tagatctttg	180

tccccagtttc	aggaggtttt	tattcagtg	ttgcttcatt	tactggaaaa	gttcactggg	240
cccacctgtc	aactccttcc	cccacagctt	ccagctcagc	agcaaaactgt	agggaaacaga	300
tttactcccc	agttccttct	gtaaataatg	ctttaagaac	agcattccctt	ttggacaata	360
tgatcatagac	ccaattttta	atactcccaa	gtcagatata	taactagaga	gtttaggaaa	420
tgtttggtat	gatcaaactt	ttcccttcag	tacacaattt	aattttacgca	gaagagcatc	480
ggagacattt	gtctcataga	tatgattgac	atgagtgata	ggctaaaact	aaaatttttag	540
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cgttagtttg	aacagtagaa	gatgtaaata	agcatagaga	ctgttggtcaa	gttatgttta	660
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tagtattaag	gttggtaatc	atgaggaagg	acacagaaca	taaactggga	tcttgaagac	780
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cttttgaagc	tctttgaatt	tactggaaac	agccagcttc	aacaagaact	tcttcaaggg	1980
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gaatccaact	ctgggtccac	agctgtacac	aacagcctgt	acaatectct	caaacatatg	2160
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tggtcccaag	aaa					2593

3172

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<210> 4507
 <211> 6815
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(4914)
 <223> similar to gi2072425 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4507	
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ggcaacactg	ccacccaaa
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<210> 4508

<211> 1157

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (19)...(837)

<223> similar to gi4097497 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4508

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gggaacaagt gcaagcaaag tttccacatg gtgacgtggc acgtgctgaa acctcacaag 180
tctgacagtg gagacagttt ccatcattcc agcctttttg agaccagag gcagctccat 240
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```


06-07-2019

```
<220>
<221> misc_feature
<222> (1)...(2947)
<223> n = a,t,c or g
```

<400> 4510

3178

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<210> 4511

<211> 1258

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (39)...(949)

<223> similar to gi56651 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4511

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<210> 4512

<211> 2130

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (27)...(789)

<223> similar to gil927192 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4512

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gcctggaccc	cgggcttttt	gtagaaagca	cccgaaggg	gagtgtagt	tccagagcta	180
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ttgtttttgtg	aaagcttctg	attaatttat	tatattgacg	ataaaaactca	aacctacca	1020
gccttccccc	cactccatgg	aagtccttgg	gatgggcgtc	tgctctggac	accccaaaga	1080
gctcctgccc	tctcagccct	ttattcaagc	ctcagatttc	tgctcatgat	ctacatagat	1140
ttggaaaactg	ttttcctctg	ttttggtctc	ttgggcaaca	tttttgggcc	aagtttgggc	1200
aacatttggc	ccaagtttgg	gcattttggc	agtagctgta	tgggagaaaa	agagtaagag	1260
gaaatattcc	cacagccatg	aagggtgaaa	gggcaccttg	tgcttagact	agggctgcct	1320
ggtcagtccc	aggtgaggcc	aagggttttc	tggccatctc	agggaggggc	caccagggtc	1380
ctcccctcac	cccatattcc	atcaccttcc	tcctctgctc	tgggtggtaa	gggaagccct	1440
cccggttccc	acaggctatg	atgctgcatg	gcagaggcag	gtataacaca	gcactacata	1500
ttggaaaattt	tttatttttc	taaataccaa	tgcatgtttg	ctacggttac	aattttgaaa	1560
tattaaactga	gcctcaaaat	caccttttct	gtcaagcata	tcttggcctc	tcccatgtct	1620
cagtgttgcc	tgcatttctc	ccaggacttg	ggggtggggt	gaaaagcgta	caaaagatac	1680
ttaaaagggc	tcctggggta	cacaagccca	gcaggctcctg	agtgaagccg	tgggcccctcc	1740
aaatgctcgt	tttatagcaa	cctctctcta	ccctagttct	ccaaattcac	ttctgccttc	1800
ctcaggtttg	atatctggca	ggtttgacta	tccagaggaa	attaaatatt	tttatataaa	1860
attaaattat	aataaatatt	gccaaatgct	ttccttttag	cattggttcc	aatgtctaaa	1920
tggttaacct	caagctactg	caatttagac	aatgaaatgg	ggctggggtc	tacccccagc	1980
caccagccct	catcctctct	acccagtgtc	ctgggggttat	gcctggctcc	tgactgctct	2040
gcttaaagggt	gaaagtagca	ggaacaacaa	caaaagccaa	ccaaaaacaa	ggtagccagt	2100
gcaagacatc	tcactcttct	gacatcctgc				2130

<210> 4513

<211> 1341

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1342)...(262)

<223> similar to gi5052351 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4513

ttttcacagg	gagcattaaa	ttattattcc	atacagccct	ggccctggcc	cttcttgagg	60
gagtgggggt	tgtgggggtg	tgcccagcag	ggatcctgcc	agatgatgtc	cacatgagaa	120
ggcagggtgc	caacagcttc	agcttcaccc	agtgcctccc	agacaaataa	tgacaagtcc	180
agggctcttct	gatgtgtcag	gccagcactc	cccttgctga	tgggaaaacc	ggggctcggc	240
cagccccact	gcatcccctc	acatgatgat	acgaggctct	ggcactgact	cgccaataga	300

cttgtggggc	agcacgctgg	ctccgttgag	gtagagctca	tcattaacta	tgacgtcctc	360
acccagcact	gtcacgttct	ccatgcgtac	ccactgaccc	acgcggcagc	gccagcccac	420
aatgcaggac	tcaagccagg	aatgggaacg	gatccgggca	tcccgcagca	ccgtgcaccg	480
ccggatacac	acaccatctt	cgaccaccac	gccagggtccc	aggctcacat	tggggccaat	540
gctgcagttc	tggccgatgc	gggcacttgg	gtccaccagc	acgttgccca	caatgccagg	600
gcctgagcac	agccgctcag	gctgcttctg	cctcagtgac	tgcaggaaga	ggcacatgcc	660
agtgaggaag	tccttgggct	gcccaatgtc	catccagaag	ccctgtaact	ccatggcata	720
tagctgcccc	tccttggcca	taatggggaa	gacctccttc	tcaatggacg	taggctgcag	780
ctggatgcgc	cgcagcactg	cagggctcag	gatgtacatg	cctgcgttga	tcttattgga	840
cacaaacacc	tgtggcttct	ccacgaaccg	gtgaatgcgg	cctgtgtcag	cctcacacac	900
caccacaccg	tacttgaggg	gttcctccac	cttggtcacc	aggatggagc	cctcctggcc	960
atggtgccgg	tggaaactgca	ccatggcctt	gaaggggaaa	tcgcagatca	cgtcactgtt	1020
gaggacgaag	aaagggctct	cagtcctcaga	gagtaggtca	cgggccagcg	ccaggggccc	1080
agctgtcccc	aaaggtcctt	cttcatggga	catggagatt	cggattccca	gcctctgctc	1140
ctgtgccttc	atttccttct	ccagcacctg	cgacatgtag	ctcacggcca	ggatcacgtg	1200
gtccacgcct	gccgcggcta	gcgcctccac	ttggtgcagc	aagatgggct	tattgcagaa	1260
gtccaccagt	ggcttcgggg	tgctcagcgt	cagcggccgt	agccgcgtcc	catagccccc	1320
cactaagatc	agtgccttca	t				1341

<210> 4514
 <211> 428
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2)...(79)
 <223> similar to gi5441325 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4514		
ggaattcgag	cgtgtgactg cggaagctgt gaagccacgg gagacctcgg agcctagagc 60	
agcagctcag	cgcttctgtg agaaattccc ttctctttga agttttttgc cctttatttg 120	
catccttaaa	gcagttcgct tgttttccct ccttggaaaa attaattatg atagtatttg 180	
cttatttatg	atcaccaaga cttgtattcc cttagcatag cttacagtat aagttcacac 240	
ttagctttga	gcaccagcac caggaagaca gctttttaaa attacttact tacgtacat 300	
cttgttccaa	aaaagatttg tgggtgtaca aaagctatat agaatacaga agatgaaaaa 360	
ggaattgagt	gtagccagag ggtggaagca gccaggtgt cccatcaaca gataaatgga 420	
taaacaaa		428

<210> 4515
 <211> 1218
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1215)...(498)
 <223> similar to gi3294180 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4515
 tttttttttt ttggtacacg cactggccttg tttattagaa aaagtcttag agactcagta 60
 aggcacgaag tccaggaagt gggcaggggc ccctggggga cgtgaccagg aacaccaggg 120
 cttcagtgcc ggatgccccca ctgtggtggg agttccccgc tctctccagc agccccgctc 180
 ccgtggagcc tgaggacaag ggagcccttt catccgagat gctgaatatg ggcaacaggg 240
 aggaggggaa ggaagaggca gctccaccgt gtgggtgtgg cgggggggatg gggctctgca 300
 ggagcctgat gtcctctgga ccctgaaggc actacgacta gaaggcccgc ctcaggggca 360
 ggtcctggag ctggggcagg ggtgggggct cagcctggct gattggtgtg gggagggggc 420
 aggttggtg tctactgagcc gagaggcacc aggtggcagg aggcaccaga tggcaggctg 480
 tgaggctgcc tcagctgaag tcgcggttgc gcaggaggag tggggctacc agggctccaca 540
 ggtagaggag cagccctgcc cagctggcac agatcttcac ccacacggcg gtccacgtgc 600
 tgatcatctt ccgggtctca ccgggcttgt accagttggt gagcgtcatc atgacgtgca 660
 gtgaggccag caccaggcag aagtggaaaga aggagtagct gtaggtgacg ccgtcctgct 720
 cgttggtcaaa ggcccggccc tcacaggctg ccacctgctg ctgctgctgc tgtgtggcgt 780
 ctagcatagg tgggcaactcc tcgggtctgca tcaggctgtt cacctgccgg tggctctgagg 840
 agcgagact gatgaagagg gtgcacagga ggaagatgat gagggcccaca atgctcgggg 900
 catcccacca ctgggtctca tagccctcgg ggctgccac aactgtctcg ttgcccagct 960
 gggttggcaa atgggggttg catttctgtt cagggaatac ggatagggct gaccaggtga 1020
 caaacatggt gtagagggtg atgaccgagg cctgcagcag acccgagttg ggctgggcgt 1080
 cctggacctt gggcaggaca gcagcgatgg acacgcagac acagaagggtg aggttgaggc 1140
 tgataaagac cttgccctcg tggcagccgc tgggctcagt gtagtacatg aacatcagcg 1200
 ccacgggaat tccagcac 1218

<210> 4516
 <211> 1873
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (297)...(1534)
 <223> similar to gi1552350 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4516
 cccacgcgtc cgctgcttc agcctcccaa attgctgaga ttatatggca tgagccaccg 60
 cgccccgctt gagctcatca gttctgacac acttaagtag taaattgttc ctacagttcc 120
 ttgaagctca tcttctcaca gagaaggact gtatttaact tcgaggctta tgaacattta 180
 aattaccaag gctttcctcc atcacaggga ggaacaaccg tctctagtct taatataaat 240
 atttttatga gaattccaaa agagaacaag tagattttatc tgcatttttt gtgtaataca 300
 caggacagtt ttggcatgtg actgacttac acttagaccc tacttaccac atcacagatg 360
 accacacaaa agtgtgtgct tcatctaaag gtgcaaatgc ctccaaccct ggcccttttg 420

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gagatgttct gtgtgattct ccatatcaac ttatTTTgtc agcatttgat tttattaaaa 480
attctggaca agaagcatct tTcatgatat ggacagggga tagccacct catgttcttg 540
tacctgaact ctcaacagac actgttataa atgtgatcac taatatgaca accaccatcc 600
agagtctctt tccaaatctc caggTTTTcc ctgcgctggg taatcatgac tattggccac 660
aggatcaact gtctgtagtc accagtaaag tgtacaatgc agtagcaaac ctctggaaac 720
catggctaga tgaagaagct attagtactt taaggaaagg tggTTTTtat tcacagaaag 780
ttacaactaa tccaaacctt aggatcatca gtctaaacac aaacttgtag tacggcccaa 840
atataatgac actgaacaag actgaccag ccaaccagtt tgaatggcta gaaagtacat 900
tgaacaactc tcagcagaat aaggagaagg tgtatatcat agcacatgtt ccagtggggt 960
atctgccatc tTcacagaac atcacagcaa tgagagaata ctataatgag aaattgatag 1020
atatttttca aaaatacagt gatgtcattg caggacaatt ttatggacac actcacagag 1080
acagcattat ggTtctttca gataaaaaag gaagtccagt aaattctttg tttgtggctc 1140
ctgctgttac accagtgaag agtgttttag aaaaacagac caacaatcct ggtatcagac 1200
tgtttcagta tgatcctcgt gattataaat tattggatat gttgcagtat tacttgaatc 1260
tgacagaggc gaatctaaag ggagagtcca tctggaagct ggagtatatc ctgaccaga 1320
cctacgacat tgaagatttg cagccggaaa gtttatatgg attagctaaa caatttacia 1380
tcctagacag taagcagttt ataaaatact acaattactt ctttgtgagt tatgacagca 1440
gtgtaacatg tgataagaca tgtaaggcct tTcagatttg tgcaattatg aatcttgata 1500
atatttccta tgcagattgc ctcaaacagc tttatataaa gcacaattac tagtatttca 1560
cagtttttgc taatagaaaa tgctgattct gattctgaga tcaatttggt ggaattttac 1620
ataaatcttt gttaattact gagtgggcaa gtagacttcc tgtctttgct ttcttttttt 1680
ttttcttttt gatgccttaa tgtagatata tttatcattc tgaattgtat tatatattta 1740
aagtgtcat taatagaagg atggatgtaa attggatgta aatattcagt ttatataatt 1800
atatctaatt tgtacccaag attgaacctg tcatttatac aataaagcga attctttatc 1860
tctaaaaaaa aaa 1873

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<210> 4517

<211> 1474

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1475)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (232)...(650)

<223> similar to gi3116113 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4517

```

gcggnggaat tcggaaaatt ccaaagtgtc tccaatggtc tttgattttg aacatgcatg 60
gtaagagggtc aggaagaaaa gtaagtaaat aagtaaacag acctgatgtt ctctctcata 120
aagccacctt catccttact tgactttgac atctctatag ctcccttttt tcctagtaat 180
attgaaagga ttacccttgt tggccctagg tggttactgt gtgattttac tgttattaaa 240
tctattataa actgcttcat tattcctgac cttgactcta tctctccttt aatccttccg 300
tcgccctctc agaaatccca tgctgttggc cccaggaaa tccgagagcg agccacagtc 360
ttgcagacgg tatttgaaga ttacgtgcac tccagtgaga ggagggtctc ctgggcaaag 420

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[illegible]

<400>	4518						
actgaa	aagactgcg	aagacaagtc	gagtagccat	gatgtgaaaa	cagacacttt		60
aggac	aagcctggtc	caggtccatt	ttctgatcag	tctgaacctg	caataactac		120
agtct	gtggctttta	accattttct	catcccagga	gtatctcctg	gactcattta		180
ccatg	ttctctccc	ctggtatggg	catggctctg	ccagccatgc	agcaggccag		240
cgga	atagtaggtc	tggagagcca	gaagaggaag	aagaagaaga	caaaggggga		300
ccaac	tcccaccag	agcctgctcc	cagctgtgaa	agggagccca	gcggtgatga		360
gtgcc	gaaccagtg	cccctttgcc	cgcagagaga	gaacatgggg	cacaggctgg		420
gggca	ctcaaagact	ccaacaacga	caccaattag	aacttttttc	atttaagaaa		480
gtgac	ttgtaagttt	cttatcccat	aaaggtttgg	tacttccctc	acttcacctc		540
gaacc	tgtgtttcca	taagtaagat	tacgtacctg	atttctctgtc	tgagaactat		600
acagat	gttaatagtt	gcagggtctc	accacttcat	tagataagtg	ttgtctacct		660
caggag	gcacagaatt	ctcattctgt	tatccagttc	attccagcaa	tcatagttaa		720
gtactt	ggtgacacgc	cctacccctt	tctcttccaa	gtttcccaact	cacttgagga		780
aatgg	caaaagaaa	ctgtctaggg	ttttaccatt	gaagggtgga	agaacagaga		840
caggag	ctcttttttc	gtgagctggg	ttgcacagga	agaatgtcac	agggaaccaa		900
acaga	aaaaggaagt	gctggtgcac	atttttgagt	taaaatattt	ccctatttta		960
gattac	taagttagta	gtatagacag	aagtatatata	ctataagttt	aaaatacata		1020
eatttc	ttttataaaaa	acaaaaacct	taccggtagt	aatataattt	cccccttggt		1080
tttcag	acacctgcag	caagaagaaa	tactgactga	ctaggcatta	ttttctatac		1140

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atccctctca ccagtga aaa gattcctctt gctgcgagaa agctttaccc accatgagtt 1200
attgctgtcg acgggggtgg ggcaaggacc cgcgctccgt agagctacac gctgcttcac 1260
aagcacacgg ctacgctctt gctctcacct gggtcgctta cagatttctc tagccattaa 1320
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tcaccaagaa taaggttctt tctggagcct gcaagaagac agttgcccaa cactttgaca 1440
cttgctagta ggtcctttga tcaagagtgt ctgaggctgt caaatgtgtg ccacccttta 1500
taatacagct atgaaaagtt acttctccat taatttctcc attctgttta tatcttacag 1560
ttggacccaa attccaaatt atcagttaat cgaaactaca ttgcaagtca acattatttt 1620
ctcttcttcc tcagcttctc catgttttagg aactgagaaa gaacctgcct aagcagcact 1680
tccccatgtc ctttcacctt catgttaacg tcccttctga tggctcact cttcacaggt 1740
agttcacact ctgagacttg aagtaagctc atggttcagt actctggggg cgcagggtcg 1800
cgcaggggacc cttggaaatg ttgcaagtgt tactagtacc agtttcactt tttgttgtca 1860
caatttactg tattttttac ttttctgtt acagttttgc taatttatca gaaggcca 1920
aagtctgaca taactatttc attttgcatt atttatttat gatgctttt tcatgtctt 1980
ttatacattt gggattataa attatgtaaa tgttaaaatg agcatctcaa agaagtctgt 2040
taaatacatga ctgaaaaaaa tcaatcagat gtatcttcaa aaagtggagt cccagtttta 2100
tgaatcagag atataaacca gaaattctat aactgatcat agaagaagaa tccagtaatt 2160
gaacaaatcc tatttaatga catccttgta gcatagatgg tctataatgc tgaccacaga 2220
tttcttagaa atgctgctct ctctatttaa ctaacatttt gttcagtttt gcctccagt 2280
gaagcagaaa gggttttttc agctgttaaa tcctaaaaat caatataatt tatttatgta 2340
agaaaaataa ctcaatcaat atatttttga accttttaag tactaatttt ctttttatca 2400
agtagaaaaa aaaatgtatt tgccctaaat ccttaaaata caaatgctat aaaaattcct 2460
gtatcttgaa agccttactg caaatgagta ttatagacat ccagcagagt ctgggttttct 2520
ttgttgtcgt tgtgttgttg ttgttttgta tggaaaagct gctttccccg gggtccactt 2580
ataacctccg gtaggtcaca gggttcaatg tggatctgac ttaaaaaccc accagcatgc 2640
tcaatccctt gttatcctta tggaaatctgt atgttaactc tctgggtgtt caggcttcta 2700
tttgactgct gttgtgacct tgtttgcaaa atgaatatga cactctgtgg attatttgct 2760
ctgtaaggca caagtgtctt ttatgattat tttgacgttt ccaagagcaa aagccaaatt 2820
taaactctct tcagcaaat tgagcctttt catctaattc catgtcactc acggccataa 2880
ctttccttga ccattcttca ccccatgtct tacataataa attgttgtct tgatcctgga 2940
tttaaaaaa aaaaaaaaaa

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<210> 4519
<211> 1154
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (15)...(953)
<223> similar to gi2558501 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 4519
actacagtgc ggtggaattc gctgagcgag gcagcggcgg cagcagcggg gacgagctca 60
gggaggacga tgagcccgtc aagaagcggg gacgcaaggg ccggggccgg ggtcccccg 120
cctcctctga ctccgagccc gaggccgagc tggagagaga ggccaagaaa tcagcgaaga 180
agccgcagtc ctcaagcaca gagcccgcga ggaaacctgg ccagaaggag aagagagtgc 240
ggcccagagg gaagcaacaa gccaaagccc tgaaggtgga gcggacccgg aagcgggtcc 300
agggcttctc gatggacagg aaggtagaga agaagaaaga gccctccgtg gaggagaagc 360

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tgcagaagct	gcacagtgag	atcaagtttg	ccctaaaggt	cgacagcccg	gacgtgaaga	420
ggtgcctgaa	tgccctagag	gagctgggaa	ccctgcaggt	gacctctcag	atcctccaga	480
agaacacaga	cgtggtggcc	accttgaaga	agattcgccg	ttacaaagcg	aacaaggacg	540
taatggagaa	ggcagcagaa	gtctataccc	ggctcaagtc	gcgggtcctc	ggcccaaaga	600
tcgaggcggg	gcagaaagtg	aacaaggctg	ggatggagaa	ggagaaggcc	gaggagaagc	660
tggccgggga	ggagctggcc	ggggaggagg	ccccccagga	gaaggcggag	gacaagccca	720
gcaccgatct	ctcagcccca	gtgaatggcg	aggccacatc	acagaagggg	gagagcgag	780
aggacaagga	gcacgaggag	ggtcgggact	cggaggagg	gccaagggtg	ggctcctctg	840
aagacctgca	cgacagcgta	cgggagggtc	ccgacctgga	caggcctggg	agcgaccggc	900
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gcagccaggc	ccagcccccg	cccagactca	ggctgcccct	ctccttcccc	ggctcgcagg	1020
agagcagagc	agagaactgt	ggggaacgct	gtgctgtttg	tatttgttcc	cttgggtttt	1080
tttttcctgc	ctaatttctg	tgattttcaa	ccaacatgaa	atgactataa	acggtttttt	1140
aatgaaaaaa	aaaa					1154

<210> 4520
 <211> 430
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (10)...(128)
 <223> similar to gi3012097 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4520		
ggaattccgc	tgctgcgctt ccgcttcctg ctggaccaca cggagcccg caggaagccg 60	
gagctgatca	tgcgcgctga aggaggactt tggtgcgag gggagcccct gaacgcgggc 120	
ttgcagtga	cctctgaccc atccacctgc ctttccagat tctccggaat aaaactgtgc 180	
ctgggcctct	actgacagcc agcagggggc tcttgaggac tgggagcggt cagggaaggg 240	
gcataacctg	ggcggggttag gtgggggtgtt gtcactgaac ccaagaacct gactgcctct 300	
ttggctgatc	atagggcctc catgcttttg gagtgtccca agaccgaggt ccttagccag 360	
ctcagaacac	agggatagaa ggggtgcagct tctatcctgg taggctttta ggaattctta 420	
gctccctttc		430

<210> 4521
 <211> 1888
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (22)...(1799)
 <223> similar to gi339804 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400>	4521					
tttcgtgcgg	ctgctgcggc	tccgggcggc	tctgactctg	ctcggggagg	ccccccgcgg	60
cccggcctcc	cgggggtccc	gggctcgcgc	aggacgcaga	agggcagtg	agccaggtgg	120
gagaaggaga	agcacgaaga	cgggggtgaag	tggagacagc	tggagcacia	gggcccgtag	180
ttcgcacccc	catacgagcc	ccttcccgc	ggagtgcgtt	tcttctatga	aggaaggcct	240
gtgagattga	gcgtggcagc	ggaggaggtc	gccacttttt	atgggaggat	gttagatcat	300
gaatacacia	caaaggaggt	tttccggaag	aacttcttca	atgactggcg	aaaggaaatg	360
gcggtggaag	agagggaagt	catcaagagc	ctggacaagt	gtgacttcac	ggagatccac	420
agatactttg	tggacaaggc	cgcagcccgc	aaagtccaga	gcaggaggga	gaagcagaag	480
ctaaaagaag	aggcagaaaa	acttcagcaa	gagttcggct	actgtatttt	agatgggtcac	540
caagaaaaaa	taggcaactt	caagattgag	ccgcctggct	tgttccgtgg	ccgtggcgac	600
catcccaaga	tggggatgct	gaagagaagg	atcacgccag	aggatgtggt	tatcaactgc	660
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gataacaccg	tcacgtggct	ggcagcttgg	accgagagcg	ttcagaactc	catcaagtac	780
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gctcgacgcc	tgcggggatt	tgtggacgag	atccgctccc	agtaccgggc	tgactggaag	900
tctcgggaaa	tgaagacgag	acagcgggcg	gtggccctgt	atttcatacg	taagctggca	960
ctgagagcag	gaaatgagaa	ggaggacggt	gaggcggccg	acaccgtggg	ctgctgttcc	1020
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tttgacttcc	tggggaaggga	ctgcatccgc	tactacaaca	gagtgccggg	ggagaagccg	1140
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aggctgacca	cgaccagcct	gaacaagcac	ctccaggagc	tgatggacgg	gctgacggcc	1260
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cgcgccgagg	acagcatagc	agctaagatc	ttatcctaca	accgagccaa	ccgagtcgtg	1380
gccattctct	gcaaccatca	gcgagcaacc	cccagtagct	tcgagaagtc	gatgcagaat	1440
ctccagacga	agatccaggc	aaagaaggag	cagggtggctg	aggccagggc	agagctgagg	1500
agggcgaggg	ctgagcacia	agcccaaggg	gatggcaagt	ccaggagtgt	cctggagaag	1560
aagagcgggc	tcttgagaaa	gctgcaggag	cagctggcgc	agctgagtgt	gcaggccacg	1620
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aggatcagca	ttgcctgttg	caagcgtttc	aggggtgccag	tggagaagat	ctacagcaaa	1740
acacagcggg	agaggtttgc	ctgggctctc	gccatggcag	gagaagactt	tgaattctaa	1800
cgacgagccg	tgttgaaact	tcttttgtat	gtgtgtgtgt	ttttttcact	attaaagcag	1860
tactggggaa	ttttgtacaa	aaaaaaaa				1888

```
<210> 4522
<211> 1607
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(1608)
<223> n = a,t,c or g
```

```
<220>
<221> misc_feature
<222> (446)...(1342)
<223> similar to gi2407788 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

0948725 04100

```
<400> 4522
gcagtgcggt ggaattcctg gaagggaggg gggcagcagc cgccccctgg aggaagggac 60
cggttctagc cccgcctgcg tgcgaggcgc cgcgccaggg tctgaggatg ctttttaccc 120
aacaagggcc aagcaggcgc ggggtgtcca ggagctgaag aaggctgcca agcggaccgt 180
gagcatcagc gagggcccgc acaccctagg cgatgggatg agggagagaa gggagactct 240
ggctctggcc cctgagccag agcccctgga gaaggaagct tgtgagaagt ggaagaggcc 300
cttcaggctc gcctcagcca cctccctgac gctgtccac tgtgtggatg tggtaaggg 360
gcttctggat tttaagaaga ggagaggta ctcaattggg ggagcccctg agcagcgata 420
ccagatcatc cctgtgtgtg tggctgcccg acttcctacc cgggctcagg atgtgtgga 480
tgccacctc tctgaggta atgtgttgcg ttttgcccc aacagcagcc tcctggccac 540
tgagggggct gaccgcctga tccacctctg gaatgttgtg ggaagtcgcc tggaggccaa 600
ccagaccctg gagggagctg gtggcagcat caccagtgtg gactttgacc cctcgggcta 660
ccaggtttta gcagcaactt acaaccaggc tgcccagctc tggagggtgg gggaggcaca 720
gtccaaggag aactgtctg gacacaagga taagggtgac gctgccaaat tcaagctaac 780
gaggcaccag gcagtgactg ggagccgcga ccggacagtg aaggagtggg acctcggccg 840
tgctatttgc tccaggacca tcaatgtcct ttcctactgt aatgacgtgg tgtgtgggga 900
ccatatcatc attagtggcc acaatgacca gaagatccgg ttctgggaca gcagggggcc 960
ccactgcacc caggatcatc ctgtgcaggg ccgggtcacc tcctgagcc tcagccacga 1020
ccaactgcac ctgctcagct gttcccgaga caacacactc aaggatcatc acctgcgtgt 1080
cagcaacatc cgccagggtg tcaggggccga tggcttcaag tgtggttctg actggaccaa 1140
agctgtgttc agcccggaca gaagctatgc actggcaggc tcctgtgatg gggcccttta 1200
catctgggat gtggacaccg ggaaactgga gagcagacta cagggacccc attgcgctgc 1260
cgtcaacgcc gtggcctggt gctactccgg gagccacatg gtgagcgtgg accagggcag 1320
gaagggtgtg ctctggcagt agggccacga cctgcctgcc tgggctggag ctcttgcccg 1380
aagcctgaag cttccttcgg cgccatgcag ggggtggggg tgggactgga gctggccttg 1440
ggatttaatg ggggaagaag cctggcagga cctggcctgt ttgtttaaaa atgaagtatg 1500
ggttggggga ttacgctagt tttctttgt atttttatct ctatctatct cctcactttt 1560
tctcccaaag tagaaaaaaa tgatatctga actgannaaa aaaaaaa 1607
```

```
<210> 4523
<211> 1369
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (52)...(437)
<223> similar to gi5824631 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 4523
ctaccatccc ccatgaggag gaaatcaaca caactgataa aagaagctga tgaaaaacat 60
cagagagaga gagagttttt attaaaagaa gcgacagaat cgaggcacia atacgaacia 120
atgaaacagc aagaagtaca actaaaacag cagctttctc tttatatgga taagtttgaa 180
gaattccaga ctaccatggc aaaaagcaat gaactgttta caaccttcag acaggaaatg 240
gaaaagatga caaagaaaaa taaaaaactg gaaaaagaaa caataatttg gcgtaccaa 300
```

tgggaaaaca	ataataaagc	acttctgcaa	atggctgaag	agaaaacagt	ccgtgataaa	360
gagtacaagg	cccttcaa	aaaactggaa	cggttagaga	agctgtgcag	ggctcttcaa	420
acagaaaggga	atgagctcaa	tgagaagggtg	gaagtcctga	aagagcaggt	atccatcaaa	480
gcggccatca	aagcggcgaa	cagggattta	gcaaacacctg	tgatgcaacc	ctgtactgcc	540
ctggattctc	acaaggagct	gaacacttcc	tcgaaaagag	ccctgggagc	gcacctggag	600
gctgagccca	agagtcagag	aagcgctgtg	caaaaagcccc	ccgtccccag	gctttgctcc	660
ggccaatcga	gtcggttgac	taagatgagg	tgtgatcact	gtattgagag	atataattttg	720
tgtataactt	tctctgttag	tagttaacta	ttggttttgt	ggtgaaaatt	ttcttacttt	780
ttctaccata	tctgtatfff	cttagaacct	actggactta	tgtggtacag	gaggctgctt	840
agcagttttg	aatagtttaa	tctataaatt	ttcctcagct	gtgttgacac	tcagcctcgt	900
tctccctcca	ctggaatgca	tgtgttcact	gccttgtcct	ttctctccct	gctccttgca	960
cattatcatc	ctaataaaaa	tttcaactgac	agggccgacc	attacaaggg	aactttgttc	1020
tgacgatggg	tccttgatgt	gaaaacaata	ttaatttaaa	cgtcttagcc	cccccccca	1080
taatattatt	cagaaaaaca	aaataccaag	gcgattagtt	ttgtctaata	acccatttaa	1140
atgccaaagta	aaaataaaac	tcctagtgtt	gggtcagaag	catatttgat	tgaaattagc	1200
tttttgaaaa	catttatatc	tcgggacaaa	ttgagatggc	cacatgccta	gaatcctaag	1260
tttcggcaga	atatgtatat	aaagatgtca	cttgtggaca	aaatagtaca	tagaggcaaa	1320
tcactagaca	aataagctta	gtgtttacgt	gactggaaca	gtcatcctg		1369

<210> 4524
 <211> 1098
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (306)...(63)
 <223> similar to gil872200 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4524						
ggtttgccctg	ccgtcctcga	gatgaaattg	gcagttgggg	ctgattcaca	gaaacaccga	60
tttgtggctg	agcacggtgg	ctcacacctg	tcatcccagc	cctttgggag	gctgaggtgg	120
acagatcact	tgaggtcagg	agttcgagac	cggcctgacc	aacgcagcaa	aacccatctc	180
tactaaaaat	acaaaaatcg	gctgggtgtg	gtggcacaca	cctgtggtcc	cagctcctcg	240
ggagtctgag	gcagaagaat	cgcttgaacc	caagaggcag	aggttgcagt	gagccaaggt	300
tgcagtgaat	caagattgct	ccactgcact	ccagcctggg	caacagagta	actctccttc	360
tcaaataaat	aaataaataa	ataagaaaca	ctgatgtgtc	tgtcaccttc	taaagaaatg	420
aaatgctagg	aagtcctagc	cagagtgatc	aggcaagaat	aagccataaa	aggcatccaa	480
ataggaaaag	aagtcacaa	gtctctcttc	actgccgata	tgattctata	cctagaaaaac	540
cctaaagact	ctgccaaaag	gctcctggaa	ccgataaatg	acttaagtaa	agtttcagga	600
tagtaaatcc	atgtacaaaa	atcagcattt	ccaacacag	taacattcaa	gctgagcacc	660
aaatcaagaa	cgcaatccca	tttccaatag	ccacggaatg	aaatacctag	gaacacgtat	720
aaccaaggag	gcaaaggatc	tctacaagga	gaaccataaa	cgagatgctg	agtcccagcg	780
aggtcggagg	tgccactgag	ccctcatcgt	gggtgccgttc	ccgctctggg	ttatttatct	840
gttgcctcatc	tcagctgttg	ttcctacctc	aaatttcaag	tcctcaaca	aatataacag	900
aaccacttct	agaatgaacc	tttgagagaag	ggaggaagca	gtgcattgta	taggaattgg	960
cattctatag	aaaaccacag	aaactggaaa	taatgaaggg	ttgtctcttg	gctctaaaat	1020
aatgtatata	cctaaatcat	ccccttatga	tactcatcct	ctaacagcaa	ttgaacttcg	1080
atacaatgag	tcattact					1098

<210> 4525
 <211> 1046
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (724)...(170)
 <223> similar to gi431321 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4525
 tttttttttt ttcaggcctc caggcggttta ttcagcccct tccctctgcc gccagctgct 60
 tgagtgaagc ccccaactcca tgaggagcct tgagaccct ccagtcctgt gctcagaggc 120
 tgagtctggg cccccacgc agagctggct gctgctcagc cctggctgcc ttaccact 180
 cgccgatgat ggtggcctcc agcttccgcg cctcaaccac ggaagcagga tcttctgggt 240
 gggaggctct gaggtcgagg tgggtgcgctc cccctggat ggtgacggcg atgactgagg 300
 cactcaggtt cctccgaatc ccgccccctg cccaggggtc caggttcccg ttggagaaga 360
 tgatgttgct ggcggctcta agatcacccc cccagaagct ggtcagcagc cagtcgggcc 420
 ggggccacac gccccagggtg tccaggcagt accgctggcg gagctcgtca gtgaagggca 480
 ggtcggggaa catatcggtc acattgttgc tggcgaaggc caggttgatc tcggtgcagg 540
 cctggtagtc ccaggccctg gcgtcggggc cggtgccgca gccagtgggg tcagcacagc 600
 tgtggtagag ccggttagatg tcgtagcagt gctcgagacc cgaggcgttg tagaccagcc 660
 ctggggaggga gaggcgctgg ggcccaacgg ccacacacag acacaccgcg ggctccggcc 720
 accaacctgt cccccctcgg aatggtcctg caggggatct ggggctctgg gatctgtagg 780
 tcccagttag gaaggccctc caggctacct gcttgagggt cggcggtgtc tgtgctgcc 840
 gccccgggcc tgactgttga gggccccccc gctctccagc gggcagggtg gggcctgctg 900
 ccctctgttg cctccatgc tggggacccc aggggcccct tgggcagcac ccaccaagct 960
 gggcctggct acagccagtg ctgagagggt cccaggggac ggccccctgcc tcccaaaagg 1020
 gtttctggga aggtcgtgct gtccac 1046

<210> 4526
 <211> 5202
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (5205)...(2901)
 <223> similar to gi1545807 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400>	4526					
atccaaggggt	tgtatcgagc	ctataaaagc	acagtttttaa	gagagattcc	ctttttctttt	60
ggtccagttt	cccttatggg	agtccttaaa	agcccttggg	tcctggaggc	agtatcatgt	120
ggtggattct	tggcagtcag	cagtcctgtgc	agcttttgca	ggtggatctg	ccgctgcagt	180
caccacccct	ctagacgtgg	caaagacaag	aattacgctg	gcaaaggctg	tgctccagca	240
actgctgatg	ggaatgtgct	ctctgtcctg	catggggctct	tgccgttcca	aggggctggc	300
agggattatt	gccagggtgc	cttccccctc	gaaatggcca	gcccatacaag	tctggggagg	360
tttccatctt	tctggggggc	ttatgacccg	aaacgcacag	cttgctgttg	gaagttggca	420
gaaagagtc	cttgaagcag	agacaagcct	cacctccact	tctgtcaaga	gaggggctg	480
cagtgcacac	cctcttccgc	tgagcagctg	tctgaactat	aggccccagt	gctgaagacc	540
agttgtgcta	agataccggc	atggagattg	tgccatccgt	ggtataggct	ggctggtatg	600
aagtcaattg	cctgtatgcc	agagagctaa	gagaagaaaa	cggggtctgt	ggcggtactc	660
tgaacaattt	cctcagaacc	tcttaataaa	taagtttggg	aatgctgagg	ccaggccttt	720
tagagctttc	atthgatctg	tatctgatct	ttcatttcct	gacacctgat	ggtggattca	780
gcagaaggca	agatggttat	aattctaaaa	gaatagcttg	tttgtttgtt	tgtttgggga	840
aaaggagact	tggggaagag	ttgtgtatgt	gggtgtttct	ccccctagtt	aattcctggt	900
gtgtaaggg	aggctttgtt	gaaaaagaaa	gaaagattga	actacagggt	catagcaagc	960
actctttctg	ggtaactagg	ctgctggttt	taattaccct	cagatttcac	ccataaaaaac	1020
gcacaattgt	attatthttac	agagatgtgt	ccagcgcccc	ctgtgggtgtg	tgagagaaaag	1080
cagctgcaac	tcaagtgact	aggtggggcc	agctggcttc	gtgcaggagg	gcacgggtggg	1140
tgagccattc	tcgccattct	catgtcagac	tgaaaggagg	gcctggggcca	gctttgaaaa	1200
ggcaggatga	aatggaaaag	tcaccacact	tagggatttt	agaccttgac	taacaagctc	1260
caggtgtaga	aaaattcaaa	acaaaatgtc	aggaatctag	cagtgttgct	tgccctggag	1320
caaacaaaca	gtatgtgatt	ttgcttcgcc	tatttttttt	ttcttttttg	ggggaagata	1380
attaaaggca	gaatgactgc	gtttgtaaaa	gaaggaccac	caactatact	gacatttata	1440
aatgaacctt	tattaaagac	acttcaatgc	catttggttag	acacttcaat	atthttacatg	1500
gttttcaatg	tacactgtac	caaaatthct	ataaataaat	aactthgtac	ataaaagtaa	1560
tactccctct	ttcacattgc	ctctcagaag	cagcaaattc	acatathttg	tggaagtaag	1620
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gatgggttagc	taccagtctc	aaaagtgcac	attataccca	gaacccagg	caagggtctg	1860
cctthccagt	cccagctcag	thtcatctgt	gcgaagggaat	ggcatggaca	ggcctgctct	1920
gggtcccttag	tagaaataag	gtagccctga	aaagtgcagaa	cttcctcctt	tctgtcccc	1980
aaggccaatg	taatactcat	tatatthgca	aaacgaaaa	atcagtatag	aaaaatccac	2040
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actgagaagg	ccacattthg	thttatcata	aaataagagg	aggaggaaa	gcagtgttht	2160
actgtthctga	cctthttgct	gtgatggatt	aacaacctc	attctacgcc	ttacagacgg	2220
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caagtgtgga	tggcactthg	acccctggct	ctacagacag	ggaagcctgt	tgcaaggggca	2340
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gcacacaaaa	ctcctgtgaa	caaatgtggt	tgtagcctct	ataaattcca	gccatgctgt	2520
aaggcaccag	aactatthtc	ccacccccct	caaaattaaa	cagcaacctg	atacgaaaaa	2580
taatatthgt	aaaattgtat	aattthtttt	tgthtaacct	gcactaaaga	thaaaatagc	2640
ctctgtaaaa	gatatatatg	aaatctctga	aaactcttat	gtacaatgat	atcaataact	2700
thttthttgc	thttgtacac	aaatccccct	thtgcgtttac	tgtgctthcag	atccaagtcc	2760
tgtgagcgac	tgatactcca	catgggagtt	acaactatgt	acagatgagt	gacgcttgaa	2820
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cattggaac	aagcaagtac	tgggctthcc	cgcgctctgg	actgcctgaa	gttaatgaag	3060
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ccccthtccc	atctagagat	gccattggct	thttctthc	agccgtcagc	atthctatct	3180
ggthactggg	gtagagcgac	cctthggcact	cggggcagga	cccagcgcca	gtcctgctgc	3240
actggtgatg	tggagaatgc	thtthggctac	thcccccg	ctccgggcca	thtggcgcac	3300
thtggctgtgc	gctgtctctg	gacacaggct	gggggtggaa	ggctthgtccc	ctggagtaac	3360

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agtccacttc ggtgttgacg tcaactgcata cgaccccgcc accgtgttcc atcttatgtg 3420
gccacaggtg cccttcagct ttctccatcg ctttccacgg ctttttgtga tacgcagacc 3480
cagcacagag ctttggtctg ctgcaggcaa cgctgtgagt gtcgggctct ggaaagtggc 3540
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cagcaatggt gaagatgcct accgtggtcc catccttctt gcagcctgct gcgggcagga 3840
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ggtgcccgtc agtgaggctc agcgggagggt ccccttgaa ccaggatgag cggggcggag 4020
ggttccccgt ggctttgcat tggagggcca ctggttctcc cacagatacc acacggtctt 4080
ccaaggggac caccaaggat ggggtctcta ggacagtcag ggtggcatta gctgaaatag 4140
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tgatgaaaaa cacgtcgtca tccggcatga catgcatgag tcgctcacgg gcagcgggga 4260
aatccgtgcc tccatccttc tgccaggcaa tctgagggtt tgggtgacct gtggcagcac 4320
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cattggtcag gacttcattg tctttcttcc aggcaaagggt catgggggag ctgctgctgc 4620
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gggtgatgat ctgtggcttc aggaagtcat cgcacacgaa actctctggt ggcacagaga 4740
aaatgctctg acccttcagt gattctgggt gggcacaggt ggctgtcaca aaggcctgca 4800
gcacccctgc aattagccac gggggcagcc acttcagctg gcagtcacac aggaagctgt 4860
cgctgctgat atggagctct ttaagattct tcatcttcac aaaggcatca aactggacag 4920
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ctgagaaggc gccgctcgtg tcctctattg tgcccgaat ctcgttatgg tccagatcca 5100
agactcgag gctcctgagt cccttgaagg caccctccgc aatgtggctg atggaattgt 5160
ggctgagacg caggacactc aggtgctca gctcggccag gc 5202

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```

<210> 4527
<211> 1214
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (49)...(891)
<223> similar to gi4263748 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4527
tttgttgctt acgtgaaaaa agagatacct catatcgtag ttacacattg tttattgaat 60
cctcatgcac ttgtcataaa gacattgctt acaaaactga gggatgctct gtttactgtg 120
gtgagggttaa taaatttcat caaagggaga gctccaaatc atcgccattt tcaggctttc 180
tttgaagaaa ttggcataga atatagtgtc ctctttttcc atactgaaat gaggtggctt 240
tcccagggcc aaatacttac tcacatTTTT gaaatgtatg aagaaataaa tcagtttctt 300
caccacaaga gcagtaattt agttgatggc tttgaaaata aagagtttaa aattcaccta 360

```

gcataccttg	cagatattatt	caaacactta	aatgaactca	gtgcatctat	gcagaggact	420
gggatgaaca	cagtatcagc	tagagagaag	ttatctgctt	ttgttaggaa	gtttccattt	480
tggcaaaaac	gaattgagaa	aagaaatfff	accaatfftc	cttttcttga	agaaataatt	540
gtttcagata	atgaaggcat	attcattgca	gctgaaataa	cactgcatct	gcaacaattg	600
agcaacttct	tccatggata	tttttccatt	ggagatctta	atgaggcaag	taaatggata	660
ttggatccat	ttctttttta	tatcgatttt	gttgatgata	gttattttaat	gaaaaatgat	720
cttgctgaat	tacgagctag	tggccaaatc	ctaattggaat	ttgagacaat	gaagcttgag	780
gattttctggt	gtgcccatt	cacagcattt	ccaaacctgg	caaagacagc	tctagaaatc	840
cttatgccat	ttgcaactac	atacctttgt	gagttgggat	tttccatcac	ttttacattt	900
caaaacaaag	tcccagaagc	tgttttaatc	ctgagtgtatg	atatccgtgt	ggctattttca	960
aaaaaagttc	cctcgtttct	cggacatcat	tgaacaaaag	ctacagctac	agcagaagtc	1020
actgtaagct	gataactttt	tttaattgaat	aattttcaatc	ttaatatcat	tgtaaaatta	1080
agctgttaatt	ctgtctcttt	catattttatg	atatactgaa	ttctatgtct	aaaaaactta	1140
agaacttttaa	ttttgaatga	ggcatgtgaa	aatatgtttt	gagaataaaa	acacagcaga	1200
aaagaaaaaa	aaaa					1214

```

<210> 4528
<211> 2359
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (73)...(1517)
<223> similar to gi5689501 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 4528						
cttaccttag	aaaaccaa	taaagaagaa	agagaacaag	acaactctga	atctccaaat	60
ggcagaacat	cacctctt	gtcccagaat	aatgaacaag	gctcaacctt	acgggatttg	120
ctgactacaa	cagctggaaa	gctacgtgtg	gggtctacag	atgctggcat	tgcctttgcc	180
ccagtatatt	caatgggagc	cccaagtagc	aaaagtggac	ggactatgcc	taacattctt	240
gatgacataa	ttgcttcagt	tgttgaaaac	aaaattccac	caagtaaaac	ctccaagata	300
aatgtaaaac	cagagcttaa	agaagagcct	gaagaaagca	taatatctgc	agtggatgaa	360
aataataaat	tatacagtga	tataccacat	tcttggatct	gtgagaagca	tattttatgg	420
cttaaggatt	ataagaatag	cagtaattgg	aagcttttca	aagaatgttg	gaaacaagga	480
cagcctgcag	tggtttctgg	tgtgcataag	aaaatgaaca	ttagcctatg	gaaggcggaa	540
tcaattagtc	ttgatttttg	agaccaccaa	gctgatctcc	tgaactgcaa	agatagcatc	600
atttcaaattg	ccaatgttaa	ggaattctgg	gatggttttg	aagaagtttc	aaaacggcag	660
aaaaacaaga	gtggagaaac	agttgtttta	aaattgaaag	attggccttc	aggagaagac	720
ttcaagacta	tgatgccagc	aagatacgaa	gatcttttaa	aaagtctgcc	attgccagaa	780
tattgtaatc	cagaaggaaa	attcaatttg	gcctctcatt	tgccaggatt	ttttgtacgt	840
cctgatctag	gaccaggtt	gtgcagtgcc	tatgggtgtg	ttgctgctaa	agatcatgat	900
ataggaacaa	caaattctca	tattgaagtt	tctgatgttg	taaatatact	agtttatggt	960
ggcatagcaa	aaggaaatgg	cattctctca	aaagcaggaa	ttctcaagaa	atttgaggaa	1020
gaagatttgg	atgacatttt	aaggaaaaga	ttgaaggact	caagtgaat	acctggtgct	1080
ctgtggcata	tttatgctgg	gaaagatggt	gacaagataa	gggaatttct	tcaaaagatt	1140
tcaaaagaac	aaggccttga	agttctacca	gaacatgatc	caatacgtga	ccaaagttgg	1200
tatgtgaaca	aaaagctccg	tcaaaggctg	cttgaagaat	atggagtcag	aacctgtact	1260
cttattcagt	tccttggtga	tgctattggt	ttgccagcgg	gagcacttca	tcaggttcag	1320

aattttcaca	gctgtattca	ggtaactgaa	gatttttgtgt	ctccagaaca	tctttagtag	1380
tcatttcatt	taacacagga	actgagactt	ttgaaggaag	aaatcaatta	tgatgataaa	1440
ctacagggtta	aaaatatatt	gtatcatgca	gtcaaagaaa	tggtgagagc	cttgaagata	1500
cacgaggatg	aagtagacga	tatggaagaa	aattaagtgt	gatccagttt	gatattttta	1560
ggttggttgaa	ctgggattac	ttaaccttga	atgatgatat	gtatgcacac	tgactttaag	1620
cttcataaaa	ccatcagtgc	caagaaattc	tctttgtagt	aattacttgt	tactgacacc	1680
acagcagtat	agcatatgtc	acagctcctg	tgattcaatg	ttataaaaaca	agcagaattd	1740
taaaagcagc	actatatagc	tgttttgtat	tatagtgtat	atgatgtttg	tgaaaatgcc	1800
agatttaaaa	tgatgtattd	attdtttggt	aaaaataaaa	aattctatgc	tatattgttg	1860
atcaagtgt	aatgtgacct	tgtacagttt	actaaaatta	ctgatatttd	tcactacatt	1920
gagacagtta	ctgtgagaat	aggacacaaa	ctccagctat	tgctgcatc	tgggaaattg	1980
ctgaatcgca	cagcagtcac	gtcataatca	gaaaattact	gccaaataat	tgtaaaattd	2040
gtaaagtata	aagtataata	agtagatact	aaatacagac	acttcaatat	tttgttgaag	2100
ctattgactg	tacaattaaa	catttttcaa	aggtgttaatt	tatttataat	tgtctcattt	2160
tggtaaaatt	tatgtgaact	tttaaagcta	aataattaaac	ttaatatgct	atgtaaatat	2220
atacatatat	acatttaatt	atgtatttdt	ttaaaacatt	ggcttgcttd	tgttaaagtg	2280
caagtgttac	atatggcttd	gtacattaaa	ggtgaaaggg	gttttacatt	ttccattaaa	2340
aggactttat	caaaaattg					2359

<210> 4529
 <211> 1727
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1728)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (21)...(653)
 <223> similar to gi3874846 in the genept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4529						
cgacccacgc	gtgcgccatg	tggatcccg	tctacctgca	ccgcgcctt	gttgtgcata	60
agacagcaga	gacgtgcaac	agcccgcct	gtggggccaa	ggacagcctc	atctttgggg	120
ccatcacctg	ctttacggga	tttctggcg	tggacacggg	ggcaggagcc	acgcgctggt	180
gccgcctgaa	gaccagcgg	gccgaccac	tgggtgtgtc	cgtgggcatg	ctgggctctg	240
ccatcttcat	ctgcctgatc	ttcgtggctg	ccaagagcag	catcgtagga	gcctatatct	300
gtatcttctg	cggggagacg	ctgctgttdt	ctaactgggc	catcactgca	gacatcctca	360
tgtacgtgg	catccccacg	cggcgcgcca	ctgccgtggc	cttgacagagc	ttcacctccc	420
acctgctggg	ggacgcggg	agcccctacc	tcattggctt	tatctcagac	ctgatccgcc	480
agagcactaa	ggactccccg	ctctgggagt	tcctgagcct	gggctacggg	ctcatgctct	540
gccctttctg	cgtggctctg	ggcggcatgt	tcttctctgc	cactgcgctc	ttcttctgtca	600
gcgaccgcgc	cagggctgaa	cagcaggtga	accagctggc	gatgccgccc	gcattctgtga	660
aagtctgagg	tggtgccatt	gggacaatga	agaaccaca	ctccacctt	cgttctggga	720
ggtgtcctac	agcgtccggg	accggctggg	ctgccccaaa	gctttctgtg	tgatccacgg	780
ctaggcaccc	accctctctg	gccaggcct	gctgagtggc	cctggcatca	agaggaggct	840

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gtgtcctcag ttaccctgga aggatgtgtg tgttgagacc acacggttgg acaggttccc 900
agccctaggt ttgggcccga gggcccctgg ggccaaggaa gaagacagcc ccaagtgggt 960
gtccggggag agcctggcct gccaccagct tatgtgatct tgggcaagtc cctgccctcc 1020
ctggaacgaa gggccagggg gctggacttt cccacacaac ttgctgggca aagcacgac 1080
tgcagctttg aagactcaac agaccctgga ccatacggag agcaggtggc ccaggcctca 1140
gggcggcagt cccggttttg aggtcacgc gagggcctgg tatgcaggga ccactgctca 1200
gctgggcctc ggaccttggg gatattggac gcaacctggc aaatgaagct gggcgcccaa 1260
gtctctgggt actccctgga ggacactgtc tactgtctc gggttggctc ccagcctgga 1320
gggtccagat ggggactgtt ctgacaagct ggcatcacca ggggtgaagg ccctggctgc 1380
agctgtacac cacctgtgcc cccaggctca aggtctctgg caggtgcaca ccagcccaac 1440
tctgcagggc ttctctccct gccaccaccc cccaagccag gacccactc cttccccgag 1500
gctgagctga gccttttcca ggggcagggc ccaggagacc attcccagaa tccatggggc 1560
agtagccagg gctccggctg ctggagggaag cagctatcca caaagcttcc tgcccagag 1620
ctgaggctga gggcccgagg gaggcgggtc ctacccaaac actggctgct ggcattccac 1680
caagtgaccc caggngccag gccttcgac acccacctcc catccag 1727

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```

<210> 4530
<211> 865
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (856)...(156)
<223> similar to gi3171934 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4530
tttttttttt ttgagccaga gggaccattt ttattagatt ccagcaagac tactgtacat 60
gtttcatgca gattaaatat gtgtcttcac tgcccctggg aggggagcac tctcactgtc 120
agctccttca ttggtgtgtc aaggggtgag tgtcaagggg agctctcaat gtattccgta 180
tggggggcag ttgggatcat gactcggggg agaggtgaga cagtaggtag ctgagggtcc 240
ctgggacctt gagtcttcag aggttcaggg actgcaggac cttggtcctt tgctggtact 300
ggcaccagag gatcttgatc cttcagaggc actgggacta taggaacttg attcttcaga 360
ggttcaggga ctatacgacc ttgattcttt ggaggctgta ggactgtggg gccttgatcc 420
ttaactagta ctgggagaat ggggtcttga ttcttcacgg actcggggac cacaggacct 480
tgattcttta cagggtgccac aactgcagaa tcgtgaacct ttgcatgctc tgggactaca 540
acatcttgat ccttgactgg ccctgagacc actaaacctt gattctttac aggtcagag 600
accatggaac cttgattctt tatgggtgct gtggccatgg cactttcatc cttcggatgc 660
tctgggacca tgggatcttg atccttgata ggtgctgaga ccatgggacc ttcactcttg 720
acaggtgctg ggactatggg accttcaccc ttgacaggtg ctgggactat gggaccttga 780
tccttgacag gtgctgagac catgggacct tgatccttga cagatgctga gaccatggga 840
ccttcgtcct tgacagggtg tggga 865

```

```

<210> 4531
<211> 1534

```

<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc feature
 <222> (1535)...(643)
 <223> similar to gil707274 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4531

tttttttttt	ttgtttacat	catatttttat	tttattacag	tcaataaata	tactttttata	60
tatgaaatca	ttatagaata	catattttta	ggcactaagt	ctcaaaaagt	aaggcacctg	120
ttatactttg	ctctctaatt	tgacacatta	aaacatgaga	ggtaaactct	ccaattttatt	180
ttgagtttgc	aagcttacaa	tttaatagga	ataaatcagg	tagcttcaga	aatcaactaa	240
gaaaattaac	aggctagagt	ctgaactaat	aatcttggac	atgggtttga	ttatcacttg	300
gtttattctg	attactcatt	taccttttca	tttatgaatc	taaactgaca	attccacctt	360
tagaggtata	atagagctat	taaccgatga	gacacatcta	ctcattctct	gtaactctgg	420
acatcgcatc	ttgctttaaa	atgcaaata	gtcatgtctt	gagcctctta	ctgagcagtg	480
aatgtgtatc	cgtgcacatt	ccatttctct	ttctgctggg	atcttctttg	gagtcagtg	540
tgctgtccct	aagcagttct	atgtgggctt	ctttcagcat	ctttgttttg	catggagtat	600
tctcagaggt	cacacttttcg	gttttggttc	ccatagcttc	ttctaaaact	gttagaatcc	660
tatcaagttg	gtccaccatg	aactttgcat	cttcttcagt	gaagcacata	ggtggtttta	720
ttttaagtag	atttctatga	ggtccatcgg	cactgagaag	cactcgtttt	tctttcatct	780
tgtagatgat	gtgctgagct	tcagctgtgg	caggggtcct	tttcagatgg	tccttacta	840
aatcaattcc	aataaaaagg	ccaatgcccc	taatatctcc	tatcaaagt	tgtttagcct	900
tctgtttttt	cagtaactca	gtgagataat	tccctactct	cttggcattt	ccttgaaggt	960
cttcattttc	aattatatcc	aggacagcca	aaccaacagc	acaagatact	ggatttcttc	1020
catacgtatt	aaaatatctc	atcccagagc	tgctgaaggc	ttctgcaatt	tctttggttg	1080
ttaccacaca	tgccaccggg	tgcccggttg	ccatcggttt	tcccattgtg	acgatgtctg	1140
gaacaaagtc	ttcaccatac	atctggaagc	tccagaaatg	tttcccaact	ctgccaaagc	1200
ccacttgaac	ttcatcagct	ataaacacac	cccctgcacc	gtgtacatat	tctgccactt	1260
tctggaagta	gcctgctgga	ggaattattt	gtccgccaca	actctgcatg	gattcagcaa	1320
taaaggcagc	aatcttctct	ccactgttat	gagcatcttc	aatgattttc	ttcacttcat	1380
ctgcataagc	actggctgag	tctgcatggt	cttctctata	ttttcctctg	taagtatctg	1440
gagttgggtg	cacatgtaca	aattcttttt	tgacatcttt	tcctttctga	aacttatatg	1500
ggctaattct	aattaaggat	gataggtgac	catg			1534

<210> 4532
 <211> 1979
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc feature
 <222> (1825)...(1262)
 <223> similar to gi3064245 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 4532
tttttttttt ttaacagcta caatttattg agcacttact aggtcttaaa tatttgctaa 60
atacatcac agtactcaca atagccccag gaaattatag atgtatttaa gttttggatc 120
aatgagtaat cgtagctga gtagaaaagct cttttctacc ctacaataag ctcgacatta 180
aagactgaca ttccaattaa tataattaaac cctggactta tagaactgtt ttctcataat 240
aatgcacatc tactgctaaa tgactactct caaagtgtt ttctttttca tgttcaaaga 300
aaattacatt tctttccttt cactttttcca atagaatact cttcagttct actctagaat 360
ctcttaggaa attatttgaa atagaaaatca atttaagccc tataactaga gctttttctc 420
ttgttgagct gctttgcagg gagaaaatgg catacatata caaaaataata ctctgctgaa 480
acacataaca ctgactccca agaatactgc ttacttactc tttgtcaaac actgttacat 540
gctaccaata ttatagtgat caggactccc ttttcagtaa ctatggttct tggagtcctg 600
gataacttaa aaaaatagag acctgtctgg ctaaaagaaat ttaaaagttc tctaactctc 660
aaccagacac cttgggaact acaatatgga tatgtcctac ccagttccca ggagtagatt 720
atgaagaagt tcatatacat cccacatcca ctgcagtatc tcaaaaactct cctagtaaca 780
gcatcctccc atcaccacaa ataccaagag tattaattaa agagggacaa gcctgccact 840
atatccttca ctcacaattc caaagatgtt tgtcctggaa attctatctt atttttgtga 900
gctcttagca tattgtgata gcatgacatc ttcacatcaa gtatactgct tggctagcat 960
caataatagt tcaaacaaat agcaacaatt tatatacttt acatcaacta ggggaaagggt 1020
gacaaacatt gttaaagaca gtttgaagca caggttatca ccaaggctctg tgtttggaag 1080
ataaaacatg cgagataaac agaggactaa cactgattaa ttctggagaa acatggagaa 1140
gaactataaa ctgcttagca gggagaaaac agttctctga tttataataa aatctattca 1200
caacacttat ttgtagttac ttttataata gataatattc aagttatatt aaagtgttct 1260
aagcaaaatt tagcaactcc tgtaaggctt cctgctgttc atcatcaagt tgtgatacac 1320
attccaacca taaatcttca gaagtctgta cctgacgcac gacattagct aggcgttttg 1380
cacaaggatc ctcatagtta atagtctcat taatttttcc ttctgcaatt atactgatta 1440
ttttgggaag attggaatta tttggaccaa ttacaactgg gtggttactt tcaattaggt 1500
cacagagaaa actcaaagtc tgaatagctt cctctttatc ttcatgcagt ggaagccatg 1560
ataaccagtg tggagaagac tcatctacat ttacacagtt aggcttaaac ttcaaaatct 1620
tccctattgc tgagatacag ttctctgtag caatgacatt ttttttggtt ttggaatgtg 1680
cacgcttaat aacttttacc agaagtggaa cagcttctga acataaagaa cgataatcat 1740
ctccacaaaa ctgtgccatg acaccaggc cataagcagc agcttgctg acttcagggt 1800
tgttatcttc catattatat aagtgtgatt gtgtcttcaa caacagctgc atcacatttg 1860
atgcatcctg cataaattgt tccttcccag cagcaagacc aatatgaata atgctctcga 1920
tagttattcc tctcagaagc ttgagttcct ttgacagcag ctcttggtga atacgaagc 1979

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```

<210> 4533
<211> 1205
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(498)
<223> similar to gi2970646 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4533
acaaggaagc ctctagagac tcccagcttt aagggcaacc ctgatgtctc agtgagaagc 60
acacaactgg ctcaggacat aggccaggcc ctgctccacc agaaaggtgt ccaagacaaa 120

```

actgggaaga	aggacatcac	ccagtgtctct	gtgcaacctg	aacctgcccc	tcctcagacc	180
agtcccctgc	ccagaggggtg	gcaaaaagagt	gttctggagc	tacagacggg	gccagggagc	240
tcacaacact	atggagccat	gagaaccgtg	actgaacagt	atgaggaggt	ggaccagttt	300
gggaacacag	tcctcatgtc	ttccaccaca	gtcaccgagc	aggcagagcc	acccaggaac	360
ccaggctccc	acctcgggct	ccacgcctcc	cccttgctga	ggcagttcct	gcacagccca	420
gctgggttca	gcagtgaacct	gacagaagct	gagacgggtg	aggtgtcctg	cagctactcc	480
cagccagctg	cccagtgaagg	cccaccgcct	cccaccacac	ctgccacctg	ttcctggcct	540
ccactgcccc	aggactgaag	tgggtacctg	cctcctgtac	actggagcaa	ggaccaagag	600
gaaatggcat	cttcagagga	ttactgtggg	ccatttccct	ttcgagttc	tttcaatagg	660
cccagttctt	ccaaatggaa	aaagaaaggt	ctggaagagg	cccacagagt	tgcacaggcg	720
tgggggtagg	atgggggctc	ccagctgctt	gtggaggatg	taatatatac	agacacacac	780
atgtttttca	cacaggcctg	gcccacgcat	cgacatgtgt	gaatttgcac	accactgcct	840
gaattggagc	ccccagagt	gtccctctac	ccagagtttt	tatttcttta	attagtctga	900
gtgttccag	ccatctgctc	cttaatccct	ggagaggaac	agagccaact	ggacacagcg	960
ttggtctctg	tttggaatca	ctgtgagggtc	tccagaagga	cctggccgcc	agccccttca	1020
tcaccatctc	catcattcag	ctggctcatct	ggtggcccaa	aggtcaccca	aagagtcagc	1080
aatcagcatg	tccctagaag	ccaaatgcac	tgcctttctc	tgtcccatg	actgtcccc	1140
actctgcacc	ccaaatggga	agcatacggg	ctgaataaat	ccaagtttta	ttctctaaaa	1200
aaaaa						1205

<210> 4534

<211> 1534

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (22)...(737)

<223> similar to gi2459910 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4534

cggacgcgtg	ggctccaggc	caaccctttc	tacgaccgct	accgcgacaa	gatccagctg	60
ctgcgcaggt	cagacccagc	tgtcttttgag	tcccgcctgg	agaaacgcag	tgaatttcgg	120
aagcagccag	tggggcattc	caggcaaggt	gattttatca	aatgtgtgga	acagaagaca	180
gatgccttgg	ggaaacagtc	tgtgaacaga	ggattcacta	aggacaagac	tctcagttca	240
atctttaaca	ttgagatggg	aaaagaaaaa	actgcagaag	aaataaaaaca	gattttggcag	300
caatattttg	cagcaaaaaga	tacagtctac	gcagttattc	ctgcagaaaa	gtttgatttg	360
atctggaacc	gggctcagtc	ctgtccaaca	tttctatgtg	ctctgccaaag	aagggaaggt	420
tatgagtttt	ttgtaggaca	atggacaggt	actgaactcc	acttccactgc	acttataaat	480
attcagaccc	gaggggaagc	tgcagccagc	cagctgattt	tatatcacta	tcctgaactt	540
aaggaagaaa	aggcataggt	gctgatgact	gcagaaatgg	attccacatt	tctgaatggt	600
gctgaggcac	agtgcacgcg	caaccaagtt	cagctcttct	acgctactga	tcggaagag	660
acctacgggt	tagtgagagc	ctttaacctc	agaccaaagt	agttcaaata	tatgtctgtc	720
atcgctgaat	tggagcaaaag	cggacttgga	gcagaactga	aatgtgccca	gaaccaaagt	780
aagacttaga	actgtacagg	ttggcccttc	acctagtgtg	ctcagccctc	gatagtctag	840
agcccacccc	ctcctcagga	actcaagagc	tcagcattta	taatgagcag	ttggtaatga	900
gttgccctat	gtgcttgtcg	caagcagtc	cagagatgag	ccctattact	tgatattcag	960
gaacaaaggt	acctgaacat	tctgataatt	atctcagcat	acttgagggt	tcctttttta	1020
agtgttcogag	gttataacaa	gagacagcca	aggacctaca	agacagttga	cttgattttg	1080

cacagtgtaa	cagcgcagtt	gcattctggc	cactttgacc	ttatagctcc	caaagtatga	1140
gtttgtcatc	tttatgaact	catgacagga	taataagctt	gaagacctgc	tgtagttaga	1200
tatgggcttt	aatccttccc	atgcaccagt	cagctgaaca	aaagcataag	ccaaacatcc	1260
tgtttaaact	gtagaataac	cagatattcc	catcagggtta	aagacttcat	ctagatgatg	1320
ccccccagag	atgccttttag	tgtaaagtagc	tggcttgggg	tatcagcaaa	tttcagggtat	1380
agttagataa	acagggtacag	ggcctgcata	ctattaaacc	atagtttgtg	gcacccgctt	1440
ttctaactcc	acctgttaga	agctatgtgt	ttgaagggaat	gaatcagtg	agataaaata	1500
aaattctttt	gtaaggagaa	gattaaaaaa	aaaa			1534

<210> 4535

<211> 1900

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1103)

<223> similar to gi4835719 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4535

atggcctata	gggtcctggg	ccgcgcgggg	ccacctcagc	cgcgaggggc	gcgcaggctg	60
ctcttcgcct	tcacgctctc	gctctcctgc	acttacctgt	gttacagctt	cctgtgctgc	120
tgcgacgacc	tgggtcggag	ccgcctcctc	ggcggcctc	gctgcctccg	cggccccagc	180
gcgggcggcc	agaaacttct	ccagaagtcc	cgccctgtg	atccctccgg	gccgacgccc	240
agcgagccca	gcgctcccag	cgcgcccgcc	ggcgccgtgc	ccgcccctcg	cctctccggt	300
tccaaccact	ccggtcacc	caagctgggt	accaagcggt	tgccccaaagc	cctcattgtg	360
ggcgtgaaga	aggggggcac	ccgggcccgtg	ctggagttaa	tccgagtaca	cccggacgtg	420
cgggccttgg	gcacggaacc	ccacttcttt	gacaggaact	acggccgcgg	gctggattgg	480
tacaggagcc	taatacccag	gaccctcgat	agccagatca	cgctggagaa	gacgcccagc	540
tactttgtca	ctcaagaggc	tctcgcagc	atcttcaaca	tgtcccagaga	caccaagctg	600
atcggtggtg	tgcggaaccc	tgtgaccctg	gccatctctg	attacacgca	gacactctcc	660
aagaagcccg	acatcccagc	ctttgagggc	ctctccttcc	gcaaccgcac	cctgggcctg	720
gtggacgtgt	catggaacgc	catccgcctc	ggcatgtacg	tgctgcacct	ggagagctgg	780
ctgcagtact	tcccgcctagc	tcagattcac	ttcgtcagtg	gcgagcgact	catcactgac	840
ccggccggcg	agatggggcg	agtccaggac	ttcctgggca	ttaagagatt	catcacggac	900
aagcacttct	atttcaacaa	gaccaaagga	ttcccttgct	tgaaaaaac	agaatcgagc	960
ctcctgcctc	gatgcttggg	caaatacaaa	gggagaactc	atgtacagat	tgatcctgaa	1020
gtgatagacc	agctccgaga	attttataga	ccgtataata	tcaaatttta	tgaaaccggt	1080
gggcaggact	tcaggtggga	ataagcccac	gaaaggaaag	ggctctcaag	ggctcttctg	1140
ctcatctctt	ccgcgagatt	tgctcccaga	ccctttgatc	tccctccaac	aaacctgggc	1200
tccagccccc	tttcccaact	tgagttgcat	catcttggaa	ccaggaagcc	cagctaaagc	1260
caagagacca	gagagtccct	gccactagtt	ttcatcagtc	tgttcaagca	aagttgatct	1320
gctcctggca	cgtccagtaa	attccagaat	cattctcctt	tctgcccata	aagggccttg	1380
gagaattgct	ttaagaagag	tgaatgttcc	aatgatgata	gatattataa	gcgatgatgg	1440
ttctgttgct	atgaacacag	cagtcgggtcc	ctgtcattgt	ccaacccagg	aatggccctt	1500
gttaaattcc	caatggcatg	taaccttccc	ctctgagctt	catttctctc	aaagatgctc	1560
tgggtggtgg	gatgggagac	catcctcagc	cctcctcaga	ccttatcaat	tcattgagag	1620
attgcaaagc	tgaaagcacc	tccggccact	ccctgggaga	cagacccttt	ggtgatgaaa	1680
taaaccagtg	acttccagag	cctatggtct	caactgtgct	tgaaaaacac	tgtctctgaa	1740

aacaactttg	tgattctccc	tgctccctgt	ggacaaaagc	acataattct	gctgttacgg	1800
gtactttgct	catacgagct	ttcattgttca	gcatgcaatg	gaatcatgct	tgtccatgtg	1860
aaataaatat	ggctctctcg	tgtccttaaa	aaaaaaaaaa			1900

```

<210> 4536
<211> 1170
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(728)
<223> similar to gi2984587 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 4536						
cactcccttc	tcaggccccc	ccacttctca	agctgacttg	gattatgtgg	tccctcaaat	60
ctaccgacac	atgcaggagg	agttccgggg	ccggtttagag	aggaccaa	ctcaggggcc	120
cctgactgtg	gctgcttata	agttggggag	tgtctactca	gctgctatgg	tcacagccct	180
caccctgttg	gccttcccac	ttctgctgtt	gcatgcggag	cgcatcagcc	ttgtgttcct	240
gcttctgttt	ctgcagagct	tcctttctct	acatctgctt	gctgctggga	tacccgtcac	300
caccctgtgt	ccttttactg	tgccatggca	ggcagtctcg	gcttggggcc	tcattggccac	360
acagaccttc	tactccacag	gccaccagcc	tgtctttcca	gccatccatt	ggcatgcagc	420
cttcgtggga	ttcccagagg	gtcatggctc	ctgtacttgg	ctgcctgctt	tgctagtggg	480
agccaacacc	tttgccctccc	acctcctctt	tgcagttagg	tgccactgc	tcctgctctg	540
gcctttcctg	tgtgagagtc	aagggtctgc	gaagagacag	cagccccag	ggaatgaagc	600
tgatgccaga	gtcagaccgc	aggaggaaga	ggagccactg	atggagatgc	ggctccggga	660
tgcgcctcag	cacttctatg	cagcactgct	gcagctgggc	ctcaagtacc	tcctttatcct	720
tggtattcag	gtgggtgtag	gagagagatc	agggagttag	tggtttttct	ctgtgtgtgc	780
atcactttct	ttcagacctt	caaaaccgtg	ggagagagcc	ttgactgagt	ttcacataag	840
tgaagtgggt	gcccagagcc	agtggcctca	aatggcagtt	ctgagacttg	aacctgggtc	900
tccttaaatcc	tagtcttgga	tcatttcccc	tctacaacct	agatctggac	cccgtagttt	960
gcattttgag	attactctat	cagtggacag	actggaaaaa	ctgaggtgat	atccaggatt	1020
ttcttcccaa	actgtgggtca	tggatcctct	tcctttcctc	cagaggcaga	tgtggcactg	1080
atatcttctt	ccatcctggg	ggcacagcct	gagtggttag	attgcagatg	gatactgact	1140
tgcccaagtc	acatagttag	tcagtgtctg				1170

```

<210> 4537
<211> 916
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (132)...(877)
<223> similar to gi3873753 in the genepept database release 114,

```

Run with FASTXY 3.3t00, default parameters

<400> 4537

```
ggcggagcgt ggctgcggcc agcggaccgg ggcctgggg cactgaccac tactgcctgg      60
agctgctgcg gaaacgggat tatgaagggt atttatgctc cctgctgctc cctgcagaat     120
cccgaagctc tgtttttgca ctgagggcct ttaatgtgga actggctcag gttaaagact     180
cagtctctga gaaaacaatt ggactgatgc gaatgcagtt ttggaaaaaa actgtggaag     240
atatatactg tgacaatcca ccacatcagc ctgtggccat tgaactatgg aaggctgtta     300
aaagacataa tctgactaaa agatggccta tgaaaatcgt cgatgaaaga gaaaaaaatc     360
tggtatgcaa agcatatcgt aatatcaagg aactggaaaa ttatgctgaa aacacacaga     420
gctctcttct ttacttaaca ctagaaatat tgggtataaa ggatcttcat gcagatcatg     480
ctgcaagtca tattggaaaa gcacaaggca ttgtcacttg cttgagagca acaccatatc     540
atgggagcag aagaaagggtg ttccttccca tggatatattg tatgctgcat ggtgtttcac     600
aagaggactt tctacggagg aaccaagata aaaatgtgag agatgtaata tatgacattg     660
ccagtcaagc acacttgcac ctaaagcatg ctaggtcctt tcacaaaact gttcctgtga     720
aagcatttcc tgcttttctt cagacggttt ctctagagga ctttctaaag aaaattcagc     780
gagtggattt tgatatattc caccatctt tacagcagaa gaatacatta cttccattat     840
atttgtatat tcagtcattg agaaaaacat attaaaataa tttcatggca ctgatgttaa     900
ttctagtcta ttagtt                                     916
```

<210> 4538

<211> 842

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(363)

<223> similar to gil56308 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4538

```
gatggagaga ggaaaagtat gagcgttgag aggacattca gtgagataaa taaagcggaa      60
gagcaatata gcctatgtca agaactttgc agtgagcttg ctcaggatct acagaaagaa     120
agacttaagg gtagaactgt taccattaag ttgaagaatg tgaattttga agtaaaaact     180
cgtgcactca cagtttcatc tgttgtttct actgcagaag aaatatttgc cattgctaag     240
gaattgctaa aaacagaaat tgatgctgat tttccacatc ccttgagatt aaggcttatg     300
ggtgtttcga tatctagttt tccaatgaa gaggaagcga aacaccaaca aaggagcatt     360
attggctttt tacaggctgg aaaccaagcc ctgtcagcca ctgagtgtac attagagaaa     420
actgacaaag ataagtttgt aaaacctcta gaaatgtctc ataagaagag tttctttgat     480
aaaaaacgat cagaaaggaa atggagtcac caagatacat ttaaattgtga agccgtgaat     540
aaacaaagtt tccagacatc acaaccattc caagttttta agaagaagat gaatgagaat     600
ttggaaatat cagagaattc agatgactgt cagatactta cctgtcctgt ttgctttagg     660
gctcaagggg gcatcagctc ggaagccttg aataaacatg tagatgaatg tcttgatgga     720
ccttcaatca gtgaaaactt taaaatgttc tcgtgttcac atgtttctgc taccaaagtt     780
aacaagaaag aaaatgttcc tgcttcttca ctttgtgaga agcaagatta tgaagcccat     840
cc                                     842
```


<210> 4539
 <211> 1742
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1401)
 <223> similar to gi3881842 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4539

gctcgaaaga	gcattccaga	cacatatgca	gagcacctca	ttgctggcgg	actcatgacg	60
caggaggagg	tgtctgaaat	aaaatcctcc	tactatgcc	agttgaatga	tcacttaa	120
aacatggccc	actacaggcc	ccctgccctg	aacctgcagg	cccactggca	gggcctggct	180
cagccagaag	cgaaatcac	cacctggagt	acaggtgtgc	ccctcgacct	cctgcggttt	240
gttggcatga	agtctgtaga	ggtgccaa	gagctgcaga	tgcacagtca	cctgctgaag	300
acacatgttc	agtccagaat	ggagaagatg	atggacggaa	tcaagctaga	ctgggccacc	360
gcggaagctc	ttgccttggg	ttctttactt	gctcaagggt	ttaatgttcg	tctaagtggc	420
caagatgttg	gtcgtggaac	tttcagtcag	aggcatgcaa	tggtggtttg	ccaggagacg	480
gatgacacct	acatccccct	gaacccatg	gacccaaatc	agaaggggtt	tctagagggtc	540
agcaacagcc	ccctgtcaga	agaggccgtc	ctgggattcg	aatatgggat	gagcattgag	600
agcccaaagt	tactgcccc	gtgggaggca	cagtttgcg	atttcttcaa	tggtgccag	660
atcatctttg	acacattcat	ctctggagga	gaggccaagt	ggctcctaca	aagcggcatt	720
gtcatcctcc	ttccacatgg	ctacgatggg	gctgggccag	accactcatc	ctgtcgaata	780
gagcgtttcc	tgcatagtgt	tgacagtgcg	gaagaggggg	tggaaggaga	caactgtgaac	840
atgtttgtgg	ttcacccaac	aactcctgca	cagtatttcc	acttgcttag	gagacagatg	900
gtccggaact	tcagaaaacc	actcattgtt	gcttccccct	agatgttact	caggctcccg	960
gcagccgtgt	caactcttca	agaaatggca	ccaggaacaa	catttaaccc	ggtcattggt	1020
gattcatctg	tggatccaaa	aaagggttaag	accctcgtgt	tctgctccgg	caaacatttc	1080
tactccctgg	tgaacaaaag	agaatctctg	ggggccaaga	agcatgactt	tgccatcatc	1140
cgagtagagg	aactctgccc	cttcccgttg	gattctttac	agcaagagat	gagcaaatac	1200
aaacatgtta	aagatcatat	ttggagtcag	gaggaacctc	agaacatggg	tccgtggctg	1260
tttgtttctc	caaggtttga	aaagcagctg	gcctgcaagc	tccgtctggt	gggccggccc	1320
cctttgccag	taccgctgt	aggaattggc	acagttcact	tgcaccagca	tgaagatatc	1380
ctcgccaaga	ccttcgcttg	atgatgactt	ttgaagaaac	actatttctc	tttaagaaaa	1440
tggccattaa	ggccgggtgg	ggtggcacat	gcctgtaatc	ccagcacttt	gggaggccaa	1500
ggctgggtga	tcacctgagg	tcaggagttc	gagaccagcc	tgccaacac	ggtgaaaccc	1560
cgctctact	aaaaatacaa	aaaatagccg	ggtgtggtgg	tgggcacctg	tgatcccagc	1620
ttcctgggag	gctgaggcaa	gagaatcgct	tgaatctggg	aggcggaggt	tgcagtgagc	1680
caggatcaca	ccattgctgt	ccagcctggg	tgacagagca	agactgcgtt	tcaaaaaaaaa	1740
aa						1742

<210> 4540
 <211> 595

<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (3)...(406)
 <223> similar to gi4185943 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4540
 atagcactcc ccagatgcaa cttaatctaa cactctatac tttagatttt ctagacatac 60
 atagaaatca gaccactact tctgcagaac attttactag taaaaataat aggccacgtg 120
 agggaaaact gatttgggtg aaagacaaca aaaacaaaat atgggaaata ggtaagggtga 180
 taacatgggg gagaggtttt gctcgtgttt caccaggaga aaatcagctt cctgtttgga 240
 taccactag acatttgaag ttctacaatg aacccatcag agatgcaaat gaaagtgcct 300
 ccgcagagac agaaaaccca caatcgagca tcatccaccc gcaggatgaa caaaatgggtg 360
 atatcagaag aacagataaa gttaccatcc accaagaaaa cagcacatgt ggagagcccg 420
 ggagaagaat agaaagaaaa agagacggag atcagagaca gacacagaaa gtgagattgg 480
 ggagatagtg ttaaagagag agagagagag agagagagag accataagag aaggagagaca 540
 aagagataaa aggtgcgagt catcaggtga ggagaaagac tgaaaactat gagaa 595

<210> 4541
 <211> 1892
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(1893)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1888)...(824)
 <223> similar to gi3004552 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4541
 ttcattgatgc aaatacatgt tcatattatc agtttttttaa aaaagcaaag tttgttaata 60
 tttattatct tattttttaag aacnaagaaa tacacattaa aataagattg tttttaagaa 120
 aaagcacccc cccaccccaa aaacacaaag tccaaggatc tctccccatc tccaagggtt 180
 aaagggcagc tatccagctg tagtctatct tcttaaattt tctcagttct ttttcttcag 240
 attttgacaa ctgatgtata atgtcttctc cttaaacctgt gttacttgta tcctggactt 300
 tttcggtaaa atcattttct tcatctgaat cttcactttc tttttcttct tccatatcta 360
 catcttcagg aatttcctta gcactcttag tctctttaga cagcagcaat gaatttaca 420
 acatggagca caggaaagca gcagatggca ggacatgggc tggagtgtga agaagctcac 480
 taattgcggg tatgttttct gttaagggtg gttgtaccag ctcatctctt aaagtttcgt 540

```

ttagtttttc atcctgctgt tgcctgtgtt ttcccaatat gaaataaaaat ggggttgtgg 600
gaagactttc ttctgctagc agctgtttgc ttgttgggtg gagtttttct tctggagact 660
ttgtactgaa tgtcaataaa ctctgtgatt ttgttaggaa gtaaaaactgg gatctattta 720
gccactggta agcttctgag gtgaaggatt cagggacatc tcgtggaaca aacactcccc 780
actggacttt ctctctggag ataccctttt gaatatacaa tggccttggc tcactagggtt 840
taaatacaaa caagtctgaa cccactgaag actgagagat tgcagcaata ttctctgaat 900
taggatcggg ttccataact ctaacattta attttgcat ccaactccaat gcacagctca 960
gcagattcca acagcaaaga atgccatttt cagtagcacc aagtagatac tttgaacacg 1020
tcaatctccc aaagcaaagg tgccttattt tcccagctcg ttggcaaaat gtacatttaa 1080
gttcccatgt tacagaatcc catattgtga ctatttcctc aaaactaact gctagtaaag 1140
aaccatcttc ggagaaacaa cagttagttg cttgatactt gtgataacta ccaacaaagt 1200
cacagggtcca gccaacagct tttttgtata tgtcagagtc atctgttaat atccatactt 1260
tgaagtaacc atctttgcta gctgtaacca aggtgggctg ttcagatttt tctgcattac 1320
agaaacagag agctgtaatg cagtcttcgt gtggcatggt aatttttagtg ttaagaataa 1380
acccttgtgt tttcttatta tacatccaca gtttcatttg caattcaagc tcagtttcct 1440
tttcttgccg ctgttccact gttgcaagcc agttaccaa gcagccaaat gcagcctttg 1500
ttagttcaat ttggatcaga ccataatcat taatatattc ttgctgtata atatctaaat 1560
tgtataactg tttatcactc tggagagaat aaaactgcag gtggccaggt tttccattca 1620
aaaccaaagc ttttagttctt ggatcaatca tcaaaccagt gaagatactc ctatctttca 1680
ctaggccttg aattactgcg gatgcttcaa ggtttcggtg aataattatt atcttattat 1740
cagagtgaga agtgcagaat aaatctcctg caggcgagac tgagatatgt tcaatagtag 1800
ctcctaaacg cgggagaaac tccttattct tctctgttgc atcgcgccac tctacaagta 1860
cagattcacg accgccactc agcagactgg tg 1892

```

<210> 4542

<211> 1784

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1785)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (1781)...(669)

<223> similar to gi669009 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4542

```

tttttttttt ttaaacagat cgaaccact ttatttcttt gtgcttttcc agtcacttat 60
atacaattac aataaagcaa atcattctct atatttttgt taaatcatca caaaatgtat 120
gtttaaaaag tagtttaagt ttactagaaa gtactatctc caatagctgt atagcctanc 180
ctatgtaaat ccatatttat gcctaattga agagaatata tttccaccct tccaggatat 240
tgtattccat tttttcctag cccttaataa acattttata aatactgaca ctggggataa 300
agttactgat aatattatat ttactttggc ttgcgagagt aaaaattggt attcagtcac 360
atacaacatt ctgcattttt tttagtcaat cctcaaacta cctgagatgt aaccattatt 420
actcagttat aaaaagaaac caagattcag gtatactaaa taatttgatga gtattcatga 480
cagaacatgg caggtttgat tgcaactctg tttgattcca aagtgtttgc tctttccact 540

```

tcatcgtaat	gtattttccac	tttatcataa	tgtattttctg	gcaagaagca	taagaatcaa	600
aaacgtgacc	tgaaaaacta	ctatggaatt	atttttaagt	ggtttgcata	gactttgttt	660
ttagactttg	tttaactttt	cccaaaaagt	tgtactcagt	tgttcaaagg	ctaagacaac	720
gttgctgctt	tcattttcac	atagctcacg	caaggaaaca	ctgatagatt	taatggtgag	780
tgcaaaatcc	ttcaacaaat	aataagcatc	tccttcattc	atcctggtat	cctggactaa	840
tcctatcaag	gaaccatggt	tgtagaaatc	cagtgcatag	gcattaagcg	acattttcct	900
tcctcgggta	tcaaattttt	gtgacaacag	cactggagcc	tgagagcgat	tgacaccgat	960
tgtgcctaga	gtaacatggt	ttggagtttc	tagtcgaagc	aaatcatcat	caaagttccc	1020
agacagacaa	acaaatgggt	aaattgctac	tcttccttcc	ttgcagctca	tcaaagaga	1080
tacgagttga	gagtccttcac	attcctttacc	tgtgaatttg	atttttgaca	atgggagttg	1140
atattcctga	ttcatatcag	ccagtttgga	aacaattcgt	aggaaagtgg	taaagtcctc	1200
cataattttc	atgttatatt	catctaaagc	atcactaaaa	tcctcaggga	gatcatcaag	1260
gaacaccttt	gattgataaa	actcgaagtg	tgcactttgg	aactttgggtg	gaaaatatct	1320
tcttccaaag	agatgtgcc	ataactaatc	tagcttttcc	ataacgtctt	gagaaaaatg	1380
ttttgagcct	ttcctgggtg	gctgacagag	atcatggaag	agtccattta	caagaaaact	1440
gacaaaaaca	agattagaag	gttcatgata	atgcaaagt	gatacaagtc	cagcaaacc	1500
cataggatta	ccttcctgat	ctaaatagcc	ctctttcacc	aggaactgca	aagaaaacag	1560
gaagtaaagt	tttaacatgt	ccatgactct	gggttgcttg	aaggacagca	atgaatgctt	1620
tagcactgat	agcacctttg	ccttggcatc	ctctgggtca	tctcccttgg	aagccagcag	1680
catgagtcgc	aggaccagg	ttatgctgag	agggaagtgt	cctctcagct	caggaacatt	1740
ggattttatg	agttttccta	ttttggggaa	tggaatatca	aaag		1784

<210> 4543

<211> 1977

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1979)...(1715)

<223> similar to gi3879783 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4543

gggagattca	ttataaaagt	cagttttattt	tccctttctg	tgtttcgtat	tttccctttt	60
tgtcagtaaa	tgagcaatac	actgactgga	aatctgcatg	attaaataac	attaacaagt	120
tcataaacac	accccatatc	agagtataaa	gcaagagggt	gaaaaatata	ccctaaccga	180
atgcaaatta	ggtatccctc	aaaattgcac	attctcctcc	tagtttgctt	gcataattta	240
aaatatgtat	atacagaatg	atcttataat	attgataact	agtatggaat	tcacagccct	300
gaagatatat	atactctaca	tttttctaaa	gaacggacac	ccctcaggcc	ctagtaatcc	360
attcatgtga	ttcaatgtca	tgtacagaca	gtcctcagct	tctgattttt	ggactttaca	420
atggtgtgaa	atggttgcaa	tttcaacata	atgtacaata	ttcaataaat	tacatgatat	480
attcaacact	cgattataaa	atagagtttg	tgttagatga	ttctgcccaa	ctgtgggcaa	540
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gtattaaatg	catttgactt	ccaatgggtt	tactgggaca	taaccccatc	ataagtcaaa	660
gagcatctgt	acttgacact	tactagaaga	aaaggtcttt	cccttttctc	taattctagt	720
cttctgctga	ggtaactcca	ggaagctggt	tgtgccagag	atcaatcctc	taaaaataga	780
ctaagcagat	tagcttccta	gaggatccta	aagttcccag	acaacaaatc	tgggatggag	840
tgcttcggct	gtgagttaca	cgtcggaatg	ttcaagataa	atgatgtacc	ttatggtcct	900
ttacacgtca	gaatgttcaa	gataactgat	gtaccttatg	gtccttgaaa	ggaagactca	960

<221> misc_feature
 <222> (28)...(939)
 <223> similar to gil79421 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4546

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gttccttttg	gacctttacc	tcccccgagc	ccaagatga	tgcttgagac	tgtgactctg	180
cacctggttg	ggcatttact	ggctttccta	gacttgcttt	gcccccgtag	gcccattcat	240
tcaatcttgc	caatgacctt	tgaggctgtc	aagcaggacc	atggcttcat	gttgtaccga	300
acctatatga	cccataccat	ttttgagcca	acaccattct	gggtgccaaa	taatggagtc	360
catgaccgtg	cctatgtgat	ggtggatggg	gtgttccagg	gtgttgtgga	gcgaaatatg	420
agagacaaac	tatttttgac	ggggaaactg	gggtccaaac	tggatatctt	ggtggagaaac	480
atggggaggc	tcagcttttg	gtctaacagc	agtgacttca	agggcctggt	gaagccacca	540
attctggggc	aaacaatcct	taccagtggt	atgatgttcc	ctctgaaaat	tgataacctt	600
gtgaagtggg	ggtttcccct	ccagttgcca	aaatggccat	atcctcaagc	tccttctggc	660
cccacattct	actccaaaac	atttccaatt	ttaggctcag	ttggggacac	atttctatat	720
ctacctggat	ggaccaaggg	ccaagtctgg	atcaatgggt	ttaacttggg	ccggtactgg	780
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tttttgata	agcctatcct	caatagcact	agtactttgc	acaggacaca	tatcaattcc	960
ctttcagctg	atacactgag	tgctctgaa	ccaatggagt	taagtgggca	ctgaaaggta	1020
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gctgagggca	ggagaattgc	ttgaatccag	gaggcagagg	ttgcagtgag	tggaggttgt	1260
accactgcac	tccagcctgg	ctgacagtga	gacactccat	ctcaaaaaaa	aaa	1313

<210> 4547
 <211> 4715
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2)...(2467)
 <223> similar to gi4589562 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4547

ggcggcgggc	ggggcagcgc	ggcgcgtgtc	tgtgcgctgc	ggtcgctcgg	gaccgggacc	60
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atcatgcagc	gttcgcgcac	cggagagaaa	actgagaatg	aaattgcttt	ggcaagctaa	180
aatgagctcg	attcaggact	ggggtgaaga	ggtagaggaa	ggagctgttt	accatgtcac	240
cctcaaaaga	gtccagattc	aacaggctgc	caataaagga	gcaagatggc	taggggttga	300
aggggaccag	ctgcctccag	gacacacagt	cagtcaatat	gaaacctgta	agatcaggac	360

cataaaagct	ggcaccttgg	agaagcttgt	ggagaacctg	ctgacagctt	ttggggacaa	420
tgactttacc	tatatcagca	tctttctttc	aacgtacaga	ggctttgcct	ccactaaaga	480
agtgtctggaa	ctactgctgg	acagggtatgg	aaacctgaca	agcccaaact	gtgaagaaga	540
tggaagccaa	agttcatcag	agtccaaaat	ggtgatcagg	aatgcaatcg	cttcataact	600
aagggcctgg	cttgaccagt	gtgcagaaga	cttccgagag	ccccctcact	tcccttgctt	660
acagaaactg	ctggattatc	tcacacggat	gatgccgggc	tctgacccag	aaagaagagc	720
acaaaatctt	cttgagcagt	ttcagaagca	agaagtggaa	actgacaatg	ggcttcccaa	780
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cacgtgcttc	tcagaagatc	tcgtggcaga	gcagctgacc	tacatggatg	cacaactctt	900
caagaaagta	gtgcctcacc	actgcctggg	ctgcatttgg	tctcgaaggg	ataagaagga	960
aaacaaacat	ttggctccta	cgatccgtgc	caccatctct	cagtttaata	ccctcaccaa	1020
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cattgagaag	tggatcaaca	tcgctcatga	atgtagactc	ctgaagaatt	tttctctctt	1140
gagggccatc	gtttcggcac	tgcagtctaa	ttccatctat	cggttaaaaa	agacttgggc	1200
tgcggtccca	agggaccgaa	tgtgtatggt	tgaagaactt	tcagatatct	tctcagacca	1260
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gagaagggaa	tttgaagtga	ttgccagat	aaagctctta	cagtctgcct	gcaacagcta	1560
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gccaagcct	tggaagagca	tgggtgaagag	actcaaccta	ctgtttctag	gggctgacat	1740
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caagtgccac	cagataaaaa	caactgcaga	ggctggaact	gccacaggct	gtatgaaagg	3060
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cagcatccta	ttttacttac	ttttatagca	ttactgtgcc	tagtcgtggg	gaaagagatg	3660
gggctgtata	gattatctga	atcatttgtc	taagaggtac	attcttccag	atggaatcaa	3720
taactttttt	tttcagggtt	cccgtgcttg	ctatcacagt	atcattgtta	agtgacactt	3780

ttgtctctca	taacaccatc	acactcttcc	ttccaagtct	gagctgtgct	ggggtttgaa	3840
ctaaaagcca	tatgtggaat	attgacatgt	gtaagaagca	ctttcagaat	gttgtccttt	3900
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ctaaaagttg	tgtgggattt	gcgttgcata	aatagccatg	tgaattccac	agaagcacc	4080
agggaaagtt	tagagatttg	cggcaatgga	cogaagaacg	ggccaggaag	tcctccaatt	4140
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agagtctaaa	tttatatact	gcaactgtaaa	atatatatat	atttaccttt	tttaaagaca	4500
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aaatttgttt	cctggtggac	agccgggtaa	tgcttttagc	tgctgcgatg	cttgtctttc	4620
tgcatctcca	tcatctgttt	accttttggt	taaactaata	aactagtttg	ggacttggct	4680
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<210> 4548
<211> 1540
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1532)...(946)
<223> similar to gi304346 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

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gggttgtctt	ggtaatgaca	attgtcttcc	caagcttgga	ttccaagtcc	accttgtagt	1380
ccctatgccg	taaaagctct	cgcttgacag	gctgcactgg	ttttccatct	ttcttttctc	1440
tctcttccgt	gagcctcttc	tcggcgagtt	tctcatattc	atctttgtcc	cactttcggc	1500
gaaagtccaa	gttttttgtc	ccgctgcccg	acgccatctt			1540

<210> 4549
 <211> 2233
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (28)...(632)
 <223> similar to gi4468141 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4549						
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caagtaacta	ttataagagc	tgatggctcc	ctggttcaca	tcagcataac	accatatacct	120
gctattctcc	atgaatatgt	aagcagttca	aatggggaag	atgctgtgag	actttgtcgc	180
tttgtaaggg	agcaaaccat	gtgggcttgt	ctagctgcta	tggcagttgc	taatcgagat	240
atgactactg	cagaaatagc	ctatgcagca	attggtgaaa	ttgataaggt	tcagtacatc	300
aattctataa	aaaatcttcc	atctaaagaa	tcaaaaatgg	cccacatact	actgttttagt	360
gggaacatac	aggaggctga	aatagtactt	cttcaggctg	gccttgttta	tcaagcaatc	420
cagatcaata	ttaatctcta	caactgggaa	agggcactgg	aattggctgt	aaaatacaaa	480
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gaaacacaaa	gtaattgatg	tatttctatc	ttttatat	tttagtccaa	taattagcaa	900
aatattacta	tgtacttaag	agatacctgt	gtagtgctga	ttatatgtca	gttttttgcc	960
cattacttca	tccctaaatc	ttcagcatga	acaaatatta	atgtcgataa	taaaacattg	1020
gactctttga	aatgtatgtt	accattaatt	tctatttgac	ctctaaattg	taaaatgcct	1080
ccaaaagt	at	ttatagaa	caaaaatata	tgaggatgga	tttgtacaaa	1140
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aaacaaat	at	cccttagaaa	gtcttctgca	aacccatttc	tgaaaatggg	1860
gtgggtatag	atgcatagat	atgggattat	gtatgatata	tatatatata	cacacacaca	1920

```

caaagggata gagagattac ctctcttaac ccccatTTta attactatgt ctaggtTTTT 1980
taaataaaaa tcttttcttt ttaacatggt tcttttcttt tccggaatat tggaatattc 2040
tggtcttgat ccagatgaaa tctgattgag cagtgtactt acaagttgta ctgtgtgtgt 2100
gtttcctata ttgttatatt tcaataagaa gcttaaaatg tttaaaaata aatgagttaa 2160
aaggttttat attatgaata ttataacaca ataaatgcaa aaaataaaaa gtctgtgttc 2220
taaacaaaaa aaa 2233

```

```

<210> 4550
<211> 766
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (769)...(648)
<223> similar to gil314637 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

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atttttagtat attaaacctc tgctgtaaat gctcttttta cattgccaca tgtacaaatt 180
tgtctagaac ttcacgacac aaaagtgtgc aaatatgagt ctaagattgt gctgaaatag 240
ggaaaggcta acactgatgt gcaaagtaaa aaagaaagat acccgcttct gcaccaggta 300
ataaaaacaag gaaaaaccga gttaggctct gcatgtgtct ccacttcatt gcttccatgt 360
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tgttgagagg tctaagttca gtggtgctct cagcagcagc cgggagggtgt gattctgagg 480
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cagaaagagt tcatcaaagt agcgagcaac gaaagaaact ggtcttcttt gatcggtttt 600
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aagggtggtgt tgaaggcgct ctctgagaag cggaacagga ggcaggctct gcctaccccc 720
gagtcgccga tcagcaggag cttgaagaga taatcgtacg tctccg 766

```

```

<210> 4551
<211> 1741
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1743)...(1649)
<223> similar to gil872498 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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aaagactgaa	aacattgctc	tttatagttt	gcgggaattt	ttaatgcctt	aaacagaaac	120
tccaacagcc	tcatggcttg	ctttaaagca	gagcctgaat	acagggggaa	cacaggtttg	180
cctgaggggt	aagaagcatc	caagagtaag	ggaagactgg	gtaagcaaag	caaaataaag	240
gggcaaacia	aacaaaccac	acagcacaa	acaccctagc	aaaggcttcc	cacagtgcc	300
ccacacgggt	aggcaccag	gccttttggt	cttataaaat	atgtttttat	tgggtctttgc	360
agtctcacgt	cacaaaataa	caaaatgaac	acaaggcaga	tagagctggg	tggggagcac	420
agacatgtgg	tggccttgaa	agcagctttt	ccccttaagt	ctctagaacc	tgccatgagt	480
aattaagaca	gtctttgagg	atggggctgt	caggtggggg	cgtttcagca	ggtgccgacg	540
agcgccttac	aaacgactgg	ctgaacacct	ttcctcccag	gcctctctgc	cccagcatca	600
ctcaatctgc	tcagtctctg	actgctgcag	gggaatgcgt	gctcagagag	agatgacact	660
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gatttacaaa	agactcccc	actccccaac	aaagaccccc	ccatgctggg	ggctgctgat	1080
gtccctgtga	aaatacatta	taaaaagaaa	taaaaaatta	tcatatgtga	atcgaagggt	1140
tgttttcata	tagcaatttt	ggggacattc	tgtaacagca	aagggttg	gctaatacagc	1200
acaggcctcc	cactcctgca	ttccatctga	ctcaacgctg	ctccccggcc	tacctaatta	1260
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ctccagggat	ggctgcagg	gccttccatg	gccacgatct	ctcacatctc	ctcgccagtgc	1620
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c						1741

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<210> 4552
<211> 2379
<212> DNA
<213> Homo sapiens
```

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<220>
<221> misc_feature
<222> (2380)...(478)
<223> similar to gi5911873 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	4552						
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ccagggtatgc	tgtgaaaaaa	gtactgaggc	actaaatagt	gtcatgagct	gagaaagt		180
gagaatatct	gtgctatagg	caagaaaaat	acaaaacatc	atthagtttt	tcacctagaa		240
atthttctaaa	taaatagtca	tacaaaaaag	ggaaaatata	tacaaacgta	catacaaaagt		300

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tattctctca	gatgtctcca	gataactgct	aagtctaaat	tggtccttca	atgtcttatt	420
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agcacggtcc	cgaggacttg	ggcggtaac	tgtagaacta	aggggtcgta	atgggtggaag	660
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attctgagca	ctccaaactgg	agcctcttgt	tccttcccga	cgactgtagt	ttccttttga	780
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tccaggagac	cgacccaaag	ctaaaagatc	ctggaatatc	tctgcataat	tttcatcacc	2160
tttaatatgt	ccattaatta	gatgcaaaat	agctaattta	caagctttgt	gtgaagccag	2220
agcataaaga	agagcaagca	acctgggtgg	ttggctagta	tactgttggt	ctttatcttc	2280
tgaagtgtct	tgcaagtctt	ctacaatcaa	atccaacaca	gttctcataa	tcagaagtgc	2340
agttggtgag	gcaaggtcac	acaattcaac	atatgttac			2379

<210> 4553

<211> 1431

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1432)...(298)

<223> similar to gi3880999 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4553

tttttttttt	catcaaaata	ttttatttca	agagttaaca	cttttttcaa	aaagtaaaaa	60
caatataatt	acttccctga	gtataaagaa	ccaatttcta	ccaatcaagg	acccattaca	120

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aaattaagca attagaggta cataattctc tgcattcaat tatactctat ttcaaattta 180
ttcttaaaaa tgtcatgttt tggaacttta atgtttcaaa aaaacctcag aacaactcat 240
tttgcaccta tgggtgtaag gttatcagtc tgatctgtct ttatcaaatt caagggcaat 300
cttcaaagcg gtgctattga ggccaacaga ttgcatgtta catatgatag aaacaatgat 360
tcctcttggg ggaaccttgt tatttatagt ctctgtatcc agttcttcag gaaggaccag 420
caggacacta ctggcaccca ctgcccctcc agtatgtgaa gcataatgcc gttgctttct 480
acacgaacca tacgtttgtt tcctttccac aacaccccac gccattgcat atttaccctc 540
tttatcccaa gacatctctg tgtaggggac tgggggtccac atcataacca ttgtttctgg 600
tttgaggtat ccaggtaaaa gattttcatt tgagttctta aacagcccaa cttggttaacc 660
ataaagcatt gcattcccaa atttcagaag gtcacccact gtagacagaa atccaccacc 720
agcccattta taggagttat ccacgtaagg tgtgttgaca agacgtttct ttttattgta 780
aacataaaat cttgctctat tgtaaatcac tggctcgttt tcttcctgca cagtcgtcag 840
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ccggcatttg gcttcattct cctgctctgt tttaaattta gtaaaatcat tcttttcatt 1140
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ataagctttc tcttctttca ctttttttat gtccttttca taatgacgaa ttccacttaa 1260
atgggaaatc agtaatcttg ttgtgacaga aaccttttca cttcatatt ctttttctgg 1320
gaattcggga acataatgtt gtactggaat atcaagatcc agtttccctg cttcccacaa 1380
tttggaaga gcaaccatgg tgagactttt gctgatgcta gcaattcgca t 1431

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<210> 4554

<211> 1374

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (4)...(865)

<223> similar to gil381029 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4554

```

gcacgagaaa agatggattc ttgtattgaa gcctttggta ccaccaaaaca gaagcgagct 60
ctgaacacca ggagaatgaa cagagttggc aatgaatctt tgaatcgtgc agtggctaaa 120
gctgcagaga ctatcattga tacgaagggt gtgactgctc tggtcagcga tgctatccac 180
aatgacttgc aagatgactc cctctacctt cctccctgct atgatgatgc agccaagcct 240
gaagacgtgt ataaatttga agatcttctt tcccctgcgg agtatgaagc tcttcagagc 300
ccatctgaag ctttcaggaa cgtcacgtca gaagaaatac tgaagatgat tgaggagaac 360
agccattgca cttttgtcat agaagcgttg aagtctttgc catcagatgt ggagagccga 420
gaccgccagg cccgatgcat atggtttctg gataccctca tcaaatttcg agctcatagg 480
gtagttaagc ggaaaagtgc tctgggacct ggagttcccc acatcatcaa caccaaactg 540
ctgaagcact ttacttgctt gacctacaac aatggcagat tacggaactt aatttcggat 600
tctatgaagg cgaagattac tgcataatgt atcatacttg ctttgacat acatgacttc 660
caaattgacc tgacagtgtt acagagggac ttgaagctca gtgagaaaag gatgatggag 720
atagccaaag ccatgaggct gaagatctcc aaaagaaggg tgtctgtggc cgccggcagt 780
gaagaagatc acaaactggg caccctgtcc ctcccgctgc ctccagccca gacctcagac 840
cgcttggaac agcggaggaa gattacctag acgcatgctt tccagacagg gcgttttggc 900

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tgcacacag	ccactggctg	gtcctattca	tttccatttt	tatgtatgtt	ttgaaaagaa	960
aaggtccggg	gatgggtggc	cacacctgaa	atcccagcac	tttgggaggc	cgaggcagga	1020
agatcattga	gctcaggagt	ttgaaaccag	tctggacaac	atagggagac	cccatctcta	1080
ccggaggaaa	aaaaaaagag	tcaggcctgg	tgggtgtgcg	ctgtaatccc	agctactcgg	1140
gaggctgagg	caggacgatt	acttgagctt	gggaaatcaa	ggttgcagtg	agctatgatt	1200
gtgtggccac	actccatcct	gggtcacaga	gtgagacctt	gtctcaaaaa	agtaacataa	1260
ggaaaaaaga	agccttgctt	tagcacaggt	atgaagccag	aagccagcat	ctcaactgtg	1320
cttgtcttat	gcagaaatat	aaagcgatgg	ccaggtttga	cttcaaaaaa	aaaa	1374

<210> 4555

<211> 3076

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(2622)

<223> similar to gi2792366 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4555

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ggcgaaggcc	aactccaatc	cgttcgaggt	gaaagttaac	aggcagaagt	tccagatcct	180
ggggcggaag	acgcgccacg	acgtgggact	gcccgggggtg	tctcgcgcac	gggccctcag	240
gaagcgtaca	cagactttac	taaaagagta	caaagaaagg	gataaatcca	atgtattcag	300
agataaacgc	ttcgggagaat	acaacagcaa	catgagcccc	gaggagaaga	tgatgaagag	360
gtttgctctg	gaacagcagc	gacatcatga	gaaaaaaagc	atctacaatc	taaatgaaga	420
tgaagaattg	actcattatg	gccagtcttt	ggcagacatc	gagaagcata	atgacattgt	480
ggacagtgc	agcgatgctg	aggatcgagg	aacgttgtct	ggtgagctga	ctgctgccca	540
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gaaaccgaag	tcccggaaaag	agctgattga	agagctcatt	gccaaagtcaa	aacaagagaa	660
gagggagaga	caagctcaac	gagaagatgc	cctcgagctc	acggagaagc	tagaccaaga	720
ctggaaaaga	attcagactc	tcctgtccca	caaaactccc	aagtcaagaga	acagagacaa	780
aaaggaaaaa	cccaagcccc	atgcatatga	catgatgggt	cgcgagcttg	gctttgaaat	840
gaaggcgag	ccctctaaca	ggatgaagac	ggaggcagaa	ttggcaaagg	aagagcagga	900
gcacctcagg	aagctggagg	ctgagagact	tcgaagaatg	cttggaaaagg	atgaggatga	960
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taaagatgac	aggcgtttgc	tttctacaa	agatggaaaag	atgaatgtcg	aggaagatgt	1080
ccagggaagag	caaagcaagg	aagccagtga	ccctgagagc	aacgaggaag	aaggtgacag	1140
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gatgcatgag	atggaagaaa	tgattgagac	caaaggccgg	gcggcattgc	caggggttga	1680
tgtgctcatt	tatttgaaaa	tcactggggt	gctattttcca	acttccgact	tctggcacc	1740

09483725.012100

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agtggtgacc cctgccctcg tgtgcctcag tcagctgctc accaagtgcc ccatcctgtc 1800
cctccaggac gtggtgaagg gctgttctgt gtgctgcctg ttcttgagat atgtggcttt 1860
gtcccagagg tttatacctg agcttattaa ttttcttctt gggattcttt acatagcaac 1920
tccaaacaaa gcaagccaag gttccactct ggtgcaccct ttcagagcgc ttgggaagaa 1980
ctcggaaactg ctcgtggtgt ctgctagaga ggatgtggcc acgtggcagc agagcagcct 2040
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cctgccatcc ttccacgcca tcatggggcc tctccgagcc ctctcacagg atcacctggc 2220
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caattataaa tgaaaa 3076

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<210> 4556
<211> 1225
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(1122)
<223> similar to gi3924667 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 4556
agccgcgtgg ggccgcgacc tctgggcagc agcggcagcc gagactcacg gtcaagctaa 60
ggcgaagagt ggggtggtga agccatacta ttttatagaa ttaatggaaa gcagaaaaga 120
catcacaac caagaagaac tttggaaaat gaagcctagg agaaatttag aagaagacga 180
ttatttgcac aaggacacgg gagagaccag catgctaata agacctgtgc ttttgcattt 240
gcaccaaaca gccatgctg atgaatttga ctgcccttca gaacttcagc acacacagga 300
actctttcca cagtggcact tgccaattaa aatagctgct attatagcat ctctgacttt 360
tctttacact cttctgaggg aagtaattca cccttttagca acttcccatc aacaatattt 420
ttataaaatt ccaatcctgg tcatcaaaa agtcttgcca atggtttcca tactctcttt 480
ggcattgggt tacctgccag gtgtgatagc agcaattgtc caacttcata atggaaccaa 540
gtataagaag tttccacatt ggttgataa gtggatgtta acaagaaagc agtttgggct 600
tctcagtttc ttttttctg tactgcatgc aatttatagt ctgtcttacc caatgaggcg 660
atcctacaga tacaagttgc taaactgggc atatcaacag gtccaacaaa ataaagaaga 720
tgccctggatt gagcatgatg tttggagaat ggagatttat gtgtctctgg gaattgtggg 780
attggcaata ctggctctgt tggctgtgac atctattcca tctgtgagtg actctttgac 840

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atggagagaa	tttcaactata	ttcagagcaa	gctaggaatt	gtttcccttc	tactgggcac	900
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tacacctcca	acttttatga	tagctgtttt	ccttccaatt	gttgtcctga	tattttaaag	1020
catactattc	ctgccatgct	tgaggaagaa	gatactgaag	attagacatg	gttgggaaga	1080
cgtcaccaaa	attaacaaaa	ctgagatatg	ttcccagttg	tagaattact	gtttacacac	1140
atttttgttc	aattattgata	tattttatca	ccaacatttc	aagtttgtat	ttgttaataa	1200
aatgattatt	caaggaaaaa	aaaaa				1225

<210> 4557

<211> 1165

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(288)

<223> similar to gi5052204 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4557

ggcacgagag	aactatgggt	cctggggaca	aagcttcttt	gaagggtctt	ttcagaaaat	60
ccccgctaaa	cgaattgggtg	ttcctgagga	ggtctcctct	gtgggtctgct	tcctactgtc	120
tcttgcagct	tccttcatca	ctggacagtc	ggtggatgtg	gatgggggcc	ggagtctcta	180
tactcactcg	tatgagggtac	cagatcatga	caactggccc	aaggagcag	gggacctttc	240
tgttgtcaaa	aagatgaagg	agacctttta	ggagaaagct	aagctctgag	ctgaggaaac	300
aagggtgtcct	ccatcccca	gtgccttcac	atcttgagga	tatgcttctg	tactttttta	360
aagcttatag	ttggtatgga	aaacattttt	cttattttta	agtgttatta	attatatcta	420
tggaaaaact	attcctgaaa	tatatacagt	cttatgtccc	aatcagagtc	ttttaacctta	480
tgatttataaa	atgtataagt	aacagaaatt	aacatatatt	aatgacttta	ctttttatatt	540
ctaagaaaag	tatttgaaaa	atggaataat	tttaaataca	tgataattct	agggatcatg	600
aactcccaga	agatttttatt	atttaattgt	aaaggtagag	gccagacgca	gtggctcacg	660
cctgtaattc	cagcactttg	ggaggccgag	gtaggcggt	cagttgaggt	caggagtcca	720
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cacaaattag	tgggtgtgtg	tggcacacac	ctgtggtccc	gggtacttgg	gaggctgagg	840
caggaggatc	gcttgaaccc	cgggaagcgg	agggtgcagt	gagctgagat	catgctactg	900
cagtccagcc	tgggctacag	agtgagactg	catctcaaaa	aaaaacccaa	aaaacaaaaa	960
caaacaacaa	caacaaaatt	ataaaggtag	aaaataaacc	taaattgtgt	cggtaattaa	1020
gattattaaa	attagaatta	tacaatgact	tatttttggg	ggcaaatact	ttaggagcaa	1080
taatgcctta	tggtaattat	tgatgtatag	tttcttttgg	ttatgaagtc	aaatttgtat	1140
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<210> 4558

<211> 1289

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (261)...(734)
 <223> similar to gil049369 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4558

ggcacgaggc	gattagcgcc	aacagctcag	agaaaacgtg	acgaaaacca	gtctgtaaaa	60
cccagacctg	ggagaggggc	ttcgggtgcgc	ggggggaatt	tgcagacgct	ccctgctggc	120
ggagatttcc	tgacctgtcc	ttcggcgcg	gactttcggc	gggtcccggc	cgggcagacc	180
caagtgccgg	cggcgagac	tgacgtggag	ccagtaccgg	ctgtagtggc	cggggccgtg	240
gcgggagagt	catgtcagag	ccgcagccgc	ggggcgcaga	gcgcgatctc	taccgggaca	300
cgtgggtgcg	atacctgggc	tatgccaatg	aggtgggcga	ggctttccgc	tctcttgtgc	360
cagcggcggt	ggtgtggctg	agctatggcg	tggccagctc	ctacgtgctg	gcggatgcca	420
ttgacaaagg	caagaaggct	ggagaggtgc	ccagccctga	agcaggccgc	agcgccaggg	480
tgaccgtggc	tgtggtggac	acctttgtat	ggcaggctct	agcctctgtg	gccattccgg	540
gcttcaccat	caaccgcgtg	tgtgctgcct	ctctctatgt	cctgggcact	gccacccgct	600
ggccctggc	tgtccgcaag	tggaccacca	ccgcgcttgg	gctgttgacc	atccccatca	660
ttatccaccc	cattgacagg	tcgggtggatt	tcctcctgga	ctccagcctg	cgcaagctct	720
acccaacagt	ggggaagccc	agctcctcct	gatcatactc	tggtacctgg	cctgtgcatc	780
ggcctcctgc	ttcatgtcaa	cctcctactc	ctgccaggga	atgtggacac	ctggctccct	840
ggtgtccaaa	gaccctggca	cctgggtggg	tttgagctgg	acagaagctt	agagacaaaag	900
gcttcaagaa	gcagtggctg	cagggagtc	cagaaggcca	ggacctgaac	gctgtctgct	960
tccctggaat	ccaagatgct	gagtggaaat	ggaccctggg	tgggcccggc	cctgtctttt	1020
tcaggaaaat	tacatcctcc	catggaggat	gagagactga	ggctcaggga	gggcaaggaa	1080
taggccaaag	atcacttggc	aagctgggca	cccaggaccc	ccagggtgctt	gacagagtca	1140
cccctgggtg	gtatggctga	acaaggagcg	gcagacaact	cagggagaaa	ctcaggagtg	1200
cagtaccagg	gacacctcag	gacagattct	ctggccaggc	ccttcctga	ccaataaat	1260
cctgaagagg	tgaaaaaaga	aaaaaaaaa				1289

<210> 4559
 <211> 2076
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(553)
 <223> similar to gi3292902 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4559

ggcaatattg	tcattccagaa	gaaaaaatat	aacaaacaac	atattattcc	cctggaaaat	60
gtcactattg	attccatcaa	agatgaggga	gacttaagga	atggatggct	aatcaagaca	120
ccaactaaat	cttttgca	ttatgctgcc	actgctacgg	agaaatcaga	atggatgaat	180
catataaata	aatgtgttac	tgatttactc	tccaaaagt	ggaagacacc	cagtaatgaa	240
catgctgctg	tctgggttcc	tgactctgag	gcaactgtat	gtatgcgttg	tcagaaagca	300

aaattcacac	ctgttaatcg	tcgccaccat	tgccgcaaat	gtgggtttgt	tgtctgtggg	360
ccctgctctg	aaaagagatt	tcttcttccc	agccagtcct	ctaagcctgt	gcggatttgt	420
gacttctgct	atgacctgct	ttctgctggg	gacatggcca	catgccagcc	tgctagatca	480
gactcttaca	gccagtcatt	gaagtctcct	ttaaatagata	tgtctgatga	tgatgacgat	540
gatgatagca	gtgactaagg	acacatttgg	gagtatttaa	tcagggtgtg	ctatctgaga	600
aatcaacttt	gggggaaatg	taagattctg	agctctctct	ctgttttgtt	ctagccatga	660
atttgectga	gaaacttgta	acctatgtgc	ctcaatatat	tccatagaaa	gtagggtccc	720
ctgccttctc	ccactcctca	cactcttcta	cagggatagg	cttttgcaaa	tatatcagat	780
aaattttttg	tttcttggtt	atttttaggt	tattttcttg	gaagggtggg	aaaagatgtt	840
tgttttaaca	ggcatgtac	tacgttggtg	ttttcatttc	tggtataagt	aaaactaaaa	900
gcacagaatg	gtgggaaagg	ggctataatg	tggttcatta	ataatgttag	cagctttttt	960
ctaaccatcc	tgtctaattg	ttaagacacc	agtaacaaaa	acacatgatt	tggaaatact	1020
ttggcttttt	catataccta	gtggtgcctt	atcataatag	cactgttaca	tgaaataagc	1080
ccctaccttc	ttactttctg	gtttgttgaa	aaaatacaact	ggtgctcttt	gaagtgataa	1140
aatgagtgtt	tatgaatggg	tgtaattagg	aaatacttct	catctgacag	ctacaaataa	1200
ctaagtttgg	aggtattttc	actctatatg	aataaatatt	tttccataaa	atagttgtga	1260
ttatatTTTT	gttttatata	ggtcccaaat	tataattgtc	aaatatatat	tttaaattaa	1320
taaaagtgtg	cattcttagg	aatttggttt	gaaatttatc	agttatacac	aattgtcata	1380
ctgcattagc	ttctaccttt	agtaagacat	attttttagg	tataaattct	tatgctttta	1440
cattattttct	ggattgaaaa	tcttataaaa	cccttgaaaa	taaacagtct	ctttttttaca	1500
aagcctgtgt	tagagcacag	atttacctag	gcttgaaagt	ttggaagaaa	taatattgtta	1560
gaatggcctc	aaggcagacc	actttaagtt	tggctagact	tcatatcgtg	gaagtattgt	1620
ctatttccagt	gtgaaaactat	cttgaatttg	caaataatag	gttatatttt	ataaagtttt	1680
gtaaaaatccc	aaacaatat	tctatttttg	taaaacaatt	gtatgtataa	tctgtatttg	1740
aaatcatttt	gcaatctatg	gaaatagagt	agcaattgct	atttctaaat	tgtgaacttt	1800
aagtcaatct	agattttatt	tgagaagtaa	ttgttcactc	tttacttttg	aggcagccat	1860
taggttgaaa	gtatatattt	atcatataaa	acttgatgcg	ttttgcaact	ctctttccat	1920
ttatatgctg	caaacaacta	cagtcctttg	aatatggaaa	atcagcagtc	taaagtttgt	1980
tttaaattct	aaatttaaaa	aatcttcaaa	tctgaatata	ccgcaaatgt	catgagaagt	2040
ttgattcagt	aacttgtgat	ggaggattct	ttggtt			2076

<210> 4560

<211> 1104

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (205)...(655)

<223> similar to gi4972714 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4560

ggcacgagg	agacccttat	gtttgaaaaa	gattgtgcc	ctaaactaaa	ggagaagcag	60
ctctttaaga	tatttccagc	cattaaccaa	aatgagaatg	tcacatctca	tactggccag	120
aagtctaaag	agaaaaagcc	aaagaaatta	aaagagactg	aagaaacacc	aagtgaactg	180
tctttccagg	actttgagta	cccagactat	gatgactaca	gagcagaggc	tttccttcac	240
caacagaaga	ggatggagtg	ctacagcaag	gccaaagaag	cttatcggtat	agggaaaaaa	300
aatgtcgcca	ccttttatgc	ccagcagggg	actcttcatg	agcagaagat	gaaagaagcc	360
aatcaccttg	ctgccataga	gatctttgag	aaagtcaatg	cttcgctgct	gccacagaat	420

gttttagacc	tccatgggct	gcatgtggat	gaagctctag	aacatttgat	gagagtttta	480
gagaagaaga	ctgaagaatt	taagcagaac	gggtgggaagc	cctatttgtc	tgtgattacg	540
gggagaggaa	accacagcca	gggaggagtt	gctcgcacat	aaccagctgt	cattaagtac	600
ctcataagcc	atagcttcag	gttctctgaa	attaaaccag	ggtgcttgaa	agtcattgcta	660
aagtaaaata	aacatccttg	aattagaagt	atgaagggttt	gtaggtttaa	attactttta	720
tttgacagtaa	ttcagtcatt	tctaccctaa	agatgtgttt	tattataaat	aatattcaat	780
tatgaaacaa	aaaaattatg	atgtttttca	aaatgcaagt	gaggtttgat	tttttactga	840
atcaaattgca	aattgttacct	gttaaagata	ttacagagaa	attttattga	ttacaaaata	900
tgtaagaaaa	ttatcagcta	cagtttttaa	gtttaaaatg	ctctgattgt	ttctcgagaa	960
aaggttacct	ttgtattaat	tggtgtatga	catttagtaa	tgctcctaaa	gtcttttgtg	1020
agaggtattt	aaagtgcctt	gagacctgat	tcattggcccc	caaagggtgg	tattaaaaga	1080
ggaaaaagga	catagtagtg	gtag				1104

```

<210> 4561
<211> 1525
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (304)...(668)
<223> similar to gi4240213 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 4561						
agggtcccggg	tgcacgattt	cgctgcggtg	gctgggtggc	ctccattgtc	gggctgctgc	60
tctcagcggc	ggggctcgcc	agcgcttcag	tgggcgggga	cgcggcaggt	gactccagac	120
caaggaggat	gagctgctgt	ccctggaaga	gaacggatgg	agggaagcag	ctcctacgaa	180
gttccctctg	tggctgctgc	tgatctggag	gaggggtgctg	gtcagactag	gagcttgctt	240
gccacccctt	ccaaagatgt	tcacaagggt	gttgagggca	tcattctttc	ctcctcaccg	300
atttttagact	tgagtgaag	tggtctgtgc	cgtttgaggg	agggtcttag	aatccccagc	360
cttcaacaat	tgcatctgca	aaggaatgcc	ctgtgtgtga	ttcctcaaga	tttctttcag	420
ttgcttccga	acctgacttg	gctggacctc	cggtacaata	gaattaaagc	gcttccttct	480
gggattggag	ctcaccagca	tttgaaaact	ttgcttttag	aaagaaatcc	tatcaaaatg	540
ttacctgtgg	agctggggag	cgtaaccacg	ctgaaagcac	tgaacctaa	acactgccct	600
ctggaattcc	ctcctcagct	cgttgtgcag	aagggtattg	tggctatcca	gcgcttcctg	660
cggatgtggg	cagtagaaca	ctctctcccc	agaaatccaa	cttctcaaga	ggctccaccg	720
gttagagaga	tgacctccg	tgacctccg	agcccaggac	tggagtgtgc	tggagaccac	780
gcgtctaacc	aaggagctgt	gaacgctcag	gacccagagg	gggctgtgat	gaaagagaag	840
gccagctttc	tccgcctgt	ggaaaagcca	gacctgagtg	aactcaggaa	gtctgaggac	900
tcctcagaga	actggcccag	cgaggaggag	atcaggcgct	tttggaagct	gaggcaggag	960
attgttgagc	acgtgaaggc	agacgttctg	ggagatcagc	tcttgacgag	ggaattacct	1020
ccaaatctca	aggcggcctt	gaacattgag	aaagaactac	caaagccaag	acacgttttc	1080
agaagggaaga	cagcctctc	caggagcatc	ttacccgacc	tcttgtcacc	gtaccaaagt	1140
gcgatccgag	caaaaagact	ggaagagagc	cgagcggcgg	cgctccgaga	gctccaggag	1200
aagcaggctc	tgatggagca	gcagagacga	gagaaaaggg	cactgcagga	gtggagagag	1260
cgagcccaga	ggatgaggaa	gaggaaggaa	gagctcagca	aactcctgcc	tccgcggagg	1320
agcatggtgg	catcaaagat	tccctctgcc	acagatctga	tagataacag	gaaagtacca	1380
ctgaatccgc	ctggaaaaat	gaaaccaagc	aaagagaaat	cgccacaagc	aagtaaagaa	1440
atgagtgtccc	tgcaggagag	aaatttagaa	gagaagataa	aacagcacgt	cctccaaatg	1500

cgtgagcaaa gaagattcca tggcc

1525

<210> 4562
<211> 840
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (11)...(572)
<223> similar to gi5911866 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4562
ggcacgagca gctgtcagta gtgttctcag tacaggtgta ccaacagtac cgttattgcc 60
accacaagta aaccagtccc tcaacttctgt gccaccaatg aatccagcta ctacattacc 120
aggtctgatg cctttaccag caggactgcc caacctcccc aacctcaacc tcaacctccc 180
agcaccacac attatgccag gggtttgctt accagaactt gtaaaccacag gtctgccacc 240
tcttccttcc atgcctcccc gaaacttacc tggcattgca cctctcccccc tgccatccga 300
gttcctcccg tcattcccct tggttccaga gagctcttct gcagcaagct caggagagct 360
gctgtcttcc ctcccgccca ccagcaacgc accctctgac cctgccacaa ctactgcaaa 420
ggcagacgct gcctcctcac tcaactgtgga tgtgacgccc cccactgcca aggccccac 480
caccgttgag gacagagtcg gcgactccac cccagtcagc gagaagcctg tttctgcggc 540
tgtggatgcc aatgcttctg agtcacctta actttgaacc attctttgga attggcgtgg 600
tatatttaac cacgggagcg tgtctggaaa cgcaaaactat cattaatttc atactagttt 660
gtaccgtatc tgtaggcatc ctgtaaataa ttccaagggg aaaactaaac gaggacgtgg 720
gttgatccct gccaggttga gtggggctca cacgctaggg tgagatgtca gaaagcgctt 780
gtatttttaa caaccaaaaa gaattgtaag ggtggccttg tgccaggctt gcactgccgt 840

<210> 4563
<211> 395
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (63)...(206)
<223> similar to gi687891 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

gacttttcaat	gtagcaatt	aagctgttgt	caaacaatca	gtcatgagct	ttgttaattt	1680
tcaatgtttt	cccagcctat	aaaaaaagga	aggtacacgt	tgctctttta	aaggttgtga	1740
ggtagatttg	agttagtaga	caggatattg	cattaaaaat	tgaaagctcg	atctgattat	1800
tgtaggaac	ccccagtggt	acctcacaca	taggatgtgg	gacctttgag	ccgatgtgca	1860
ctggccacca	ccaggggttg	gggcgccaca	gctgcgagcc	cggccccctgc	tgttctcagc	1920
agccacttcc	caggctgcct	cactttatgc	catgactgac	cttaatatattg	ggatattgtt	1980
atgcaatttt	tatcctgttt	agactgttaa	aagcaggttt	ctgtacttaa	gagtcccca	2040
gacctcctgt	gaggtgaggc	tctgttgtag	tgctgtaggc	tggtgtgtgc	tgtaaagaaa	2100
gaatgcacat	atgtagacga	ttaagtgtat	attataagct	atatgctgaa	aatggcttcc	2160
atagccatga	gaacatctta	aaactatgtg	taaatatatt	aaggaaaagta	tagctttgta	2220
atttaaattg	gagcttttag	cttgtttcat	ggaactatac	aacttgtggg	taactcacat	2280
gaccaaaca	accaaagtgc	ctgtgacggg	gcgggtggcg	tctaccacc	ctcccttcta	2340
gcagattctt	attttgtttg	aattttataaa	caaggctggg	ggctgtctac	ccaccctccc	2400
ttctagcaga	ttttgatttt	gtttcaattt	ataacttaca	ctttgaacca	tggttttact	2460
tataatggag	tctgtagctt	cacagcatat	ttcatgtaat	cataaagacc	agtatattct	2520
ctcctgctga	atgacatgcg	actgtaaagc	ctctttataa	accattttcca	atgttagtat	2580
ataggattat	ttgggaagcg	tatcaatacc	tttatagaca	aatacgaaca	tgtatgcaca	2640
caaaacattt	aactatggta	tttatggaag	acaggtaaaca	acattaaatc	tagttgcttt	2700
cccttagtat	tagatttgtt	gagggttttt	taaaaaatcag	gtctgttgaa	agtcttctgt	2760
cataatctat	aaagcagcag	cactcatgga	aattgtagca	tgccagtaat	ttttaccaac	2820
atcccataca	tctgagttct	gcagtcagc	gtgtaatccg	ctccatgtgt	attttgctta	2880
atggaatgct	ttattttaagc	acttaggcag	agtagacaca	attaaaggta	caaagcccag	2940
aggaagtggg	agagcagcac	cgtgcctgcc	ctgaggcagt	ggagtcagta	gcgctgtccc	3000
cagggccttg	agtgcctgga	ggtgcttgcc	ctccagtagc	tgccctccatt	ctctttttaa	3060
aaaagggggg	gattctgagg	cactgaagtg	cctcccagat	gtggaggaggt	gaa	3113

<210> 4565

<211> 817

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (10)...(698)

<223> similar to gi2997692 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4565

acgcgtccgg	gcatgggtga	taacatgacc	aaacttgtgc	tagtaaatgc	catctatttc	60
aagggaaact	ggaaggataa	attcatgaaa	gaagccacga	cgaatgcacc	attcagattg	120
aataagaaag	acagaaaaac	tgtgaaaatg	atgtatcaga	agaaaaaatt	tgcatatggc	180
tacatcgagg	accttaagtg	ccgtgtgctg	gaactgcctt	accaaggcga	ggagctcagc	240
atggtcatcc	tgtgtccgga	tgacattgag	gacgagtgca	cgggcctgaa	gaagattgag	300
gaacagttga	ctttggaaaa	gttgcatgag	tggactaaac	ctgagaatct	cgatttcatt	360
gaagttaatg	tcagcttgcc	caggttcaaa	ctggaagaga	gttacactct	caactccgac	420
ctcgcgccgc	taggtgtgca	ggatctcttt	aacagtagca	aggctgatct	gtctggcatg	480
tcaggagcca	gagatatatt	tatatcaaaa	attgtccaca	agtcatttgt	ggaagtgaat	540
gaagagggaa	cagagggcgg	agctgccaca	gcaggcatcg	caactttctg	catgttgatg	600
cccgaagaaa	atttcactgc	cgaccatcca	ttctttttct	ttattcggca	taattcctca	660
ggtagcatcc	tattcttggg	gagattttct	tccccttaga	agaaagagac	tgtagcaata	720

```
caaaaatcaa gcttagtgct ttattacctg agtttttaat agagccaata tgttttatat 780
cttttccaat aaaaccctg ttcagacaaa aaaaaaa 817
```

```
<210> 4566
<211> 803
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (806)...(573)
<223> similar to gill196814 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 4566
tttttttttt ttgatttggt aattaaagtt tatttgaaca caaaatactt tctctgtcta 60
taaaattggc tgtagcagt agcagcagca tgtcctggcc aaggggagta gatttctcca 120
gactactaaa gccatgtata tagccattcc cacttcccat attctgtgga tatgtacatg 180
tgcatggtag ctagagtccc tccaccagga gtatctctct catggatggg ttcttcaggg 240
agaggaagag gagacctggg gtgaagagct gggatgggtt tgaagtgggg caaagccatt 300
aggcttgtag cttgaaagcc ccagtctctc tgggaatagc ttgtactgcc aggtgtcctc 360
tgaggccctt tctctgtact ctgtcctgct tgaggggaat gggggatatt gggactccca 420
taggaaaggc acttagccta agtcaccaa tgactgcttg gtccccactg aagcagtgtg 480
gctctccata gtatttttgg tggttatgga ttacatgtgt ggccagctca tgctttttct 540
tgagcagggg ctgtccatga cctgtgctca taccatgctt tctaagttct ctttggacag 600
ggcctcagct gctgcctcag cctgagtttc agagagtgtg taggagtcct ggtaatcttg 660
aagcagtttg accacctcca gatggttgaa ctgcacagca tcatccaggg gaatgttgcc 720
ccacctgtcc ttggcaaaag gattcacttt gcaagcctcg atcaggaatt taacaacttc 780
gatgtgtcct tcagctgcag caa 803
```

```
<210> 4567
<211> 1200
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(918)
<223> similar to gi3659694 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 4567
ctggagacgg gctgatgcac gaggtggtga acgggctcat ggagcggcct gactgggaga 60
```


cgcgcattcca	gaagccctctg	tgtagcctcc	cagcaggctc	tggcaacgcg	ctggcagctt	120
ccttgaacca	ttatgctggc	ttatgagcagg	tcaccaatga	agacctcctg	accaactgca	180
cgctattgct	gtgccgccgg	ctgctgtcac	ccatgaacct	gctgtctctg	cacacggctt	240
cggggctgcg	cctcttctct	gtgctcagcc	tggcctgggg	cttcattgct	gatgtggacc	300
tagagagtga	gaagtatcgg	cgtctggggg	agatgcgctt	cactctgggc	accttctctgc	360
gtctggcagc	cctgcgcacc	taccgcggcc	gactggccta	cctccctgta	ggaagagtgg	420
gttccaagac	acctgcctcc	cccgttgttg	tccagcaggg	cccggtagat	gcacaccttg	480
tgccactgga	ggagccagtg	ccctctcaact	ggacagtggg	gcccgcagag	gactttgtgc	540
tagtcctggc	actgctgcac	tgcacactgg	gcagtgagat	gtttgctgca	cccatgggcc	600
gctgtgcagc	tggcgtcatg	catctgttct	acgtgcgggc	gggagtgtct	cgtgccatgc	660
tgctgcgcct	cttcttggcc	atggagaagg	gcaggcatat	ggagtatgaa	tgcccctact	720
tggataacgt	gcccgtaggtc	gccttccgct	tggagcccaa	ggatgggaaa	ggtgtgtttg	780
cagtggatgg	ggaattgatg	gttagcgagg	ccgtgcaggg	ccaggtgcac	ccaaactact	840
tctgtagtgt	cagcggttgc	gtggagcccc	cgcccagctg	gaagccccag	cagatgccac	900
cgccagaaga	gcccttatga	cccctgggcc	gcgctgtgcc	ttagtgtcta	cttgcaggac	960
ccttctctct	tccttagggc	tgcaggcgct	gtccacagct	cctgtggggg	tggaggagac	1020
tcctctgga	gaaggggtgag	aagggtgagg	ctatgtcttg	gggggacagg	ccagaatgaa	1080
gtcctgggtc	agggaaacca	gctggctggg	ccagctggcc	tatgtaaggc	cttctagttt	1140
gttttgagac	ccccacccca	cgaaccaaat	ccaaataaaq	tgacattccc	aaaaaaaaaa	1200

<210> 4568

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

$$\langle 222 \rangle \quad (920) \dots (346)$$

```
<223> similar to gill113125 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters
```

<400> 4568

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gagtggctctg	gagggggctc	ttccattctc	acacgtgtgt	gcatgaaccc	tttctcctat	180
cctaaaggcc	cttcgggaag	aagctctagc	tggttgatga	gagcaagggt	tggggggccgc	240
tacacttcgg	cagtgcagtg	ttgggaaggt	gagaacacag	ttctaagaa	caagaattgt	300
tgagtctgag	gaatatgggg	tctggacccc	cagcacatcc	ccttcatagg	tctccatggg	360
ttgggagagc	agggtcaccc	tcatttttgt	tgcaggattc	acttgcagtg	tgaatttcaa	420
ttgtgctggc	atcagaacct	tcagacagca	tgctcagggc	ttcgtcagaa	gtctgcccac	480
ccacttgaga	caccttcccg	gaagcagggt	tttcatgggg	catcagtggg	gatgggtgag	540
ccccctcagc	agccgaggtg	gtcagtgatt	cccactggat	ctccttctctg	ggagactgaa	600
aaccaggct	gcatcctgtc	cagccgtaga	aggccaaaga	caagagaaat	ccctgggctg	660
gattcaggat	tcccataata	aaccatgtgg	tcttggtctgc	agttctgaca	ggtttcaaag	720
aacctccatt	gatatctgtt	tgcattctcaa	gatagaataa	aaggctttca	ttgatgatat	780
tcgacaacca	acaataaatt	aaaaccagca	tgattttgaa	aaatcggatc	ttgatcacgg	840
ctcccatcct	cctctcgttc	tccgtgtaaa	tgccctgtct	tcctttaagt	aaagaggcca	900
ctgcagtcac	tgtcttttg					919

<210> 4569
 <211> 1420
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (185)...(867)
 <223> similar to gi791040 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4569
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 tcatcggtgt gcagtattga tcaggacctg caaacccaaa agcttatggg agctggcacg 180
 tcacaaaaag aaaaaaacca agcccatcat ctctgtttcg gacagagcaa acagcaacaa 240
 ggagctgggt gtggaccagg agtcagagga gggcaaaggc aaaacaagcc ctgataagca 300
 aaagcagtc ccacagccac agcctggcag ctctgatcag gaaagtgagg aacagcaaca 360
 attccggaac attttcaagc agatagcagg agatgacatg gagatctgtg cagatgagct 420
 caagaaggtc cttaacacag tcgtgaacaa acacaaggac ctgaagacac acgggttcac 480
 actggagtcc tgccgtagca tgattgcgt catggatata gatggctctg gaaagctcaa 540
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 ctatgacaca gaccagtccg gcaccatcaa cagctacgag atgcgaaatg cagtcaacga 660
 cgcaggattc cacctcaaca accagctcta tgacatcatt accatgcggt acgcagacaa 720
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 cctacccatc cttgatcggt catgcctagc ctgacccttt agtaaagcaa tgaggtagga 1080
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 ctcggttctg aagcgagtgc tctgtcttac cttgtcttag gctgtctgca gaagcacctg 1200
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 atggggccagg aaccaaacca gcactgggtt ctactgctgt ggggtaaact aactcagtgg 1320
 aatagggtctg gttacttttg gctgtccaac tcataagttt ggctgcattt tgaaaaaagc 1380
 tgatctaaat aaaggcatgt gtatggcttg aaaaaaaaaa 1420

<210> 4570
 <211> 1684
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (51)...(751)
 <223> similar to gi5123952 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 4570
tttcgtggga ggacgtggga tgggtggcgga gctggctgca gcagagctac caagcagtca    60
aagagaagtc ctctgaagcc ttggagttta tgaagcggga cctgacggag tttacccagg    120
tgggtgcagca tgacacggcc tgtaccatcg cagccacggc cagcgtggtc aaggagaagc    180
tggctacgga aggtcctca ggagcaacag agaagatgaa gaaaggggta tctgacttcc    240
taggggtgat ctgagacacc tttgcccctt cgccagacaa aaccatcgac tgcgatgtca    300
tcaccctgat gggcacaccg tctggcacag ctgagcccta tgatggcacc aaggctcgcc    360
tctatagcct gcagtcggac ccagcaacct actgtaatga accagatggg cccccggaat    420
tgtttgacgc ctggctttcc cagttctgct tggaggagaa gaagggggag atctcagagc    480
tccttgtagg cagcccctcc atccggggcc tctacaccaa gatggttcca gcagctgttt    540
cccattcaga attctggcat cggtatattt ataaagtcca tcagttagag caggagcagg    600
cccgaggagg cgccctgaag cagcgggagg aacagagcat ctctgaagag cccggctggg    660
aggaggagga agaggagctc atgggcattt caccatata tccaaaagag gcaaagggttc    720
ctgtggccaa aattttctaca ttccctgaag gagaacctgg ccccagagc ccctgtgaag    780
agaatctggt gacttcagtt gagccccag cagaggtgac tccatcagag agcagtgaga    840
gcatctccct cgtgacacag atcgccaacc cggccactgc acctgaggca cgagtgtctac    900
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atgtgggtga gactggaccc tcacccccta ttcactcaa gccctaacg cctgctggcc   1020
acaccggcgg cccagagccc aggcctccag ccagagtaga gactctgagg gaggaggcgc   1080
ccacagactt acgggtgttt gagctgaact cggatagtgg gaagtctaca ccctccaaca   1140
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acatgactga agaggaggtg cagatggcac tttccaaagt ggatgcctcc ggggaggtga   1260
gtgggcctgg tgggtcagag ggaagcgagc ctaatggtcc tgggtgtgag agctctcccc   1320
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gaaaggagct ggagcttcct gctcagaccc acaacattgg tcatcagcag gctgcacttt   1440
tcctcagttc caggggtgat agaggggtcaa gttcttgacc ttagctctgt atcaaaattg   1500
cctgagaaac tgcttaagaa aacagatgtc atgctgagcg cgggtggctca cacctgtaat   1560
cccaacactt tgggaggcca aggtggggag attgcttgag gcgaggagtt caagaccagc   1620
ctggccaata tagtgagacc ccatttctgt ttttgaaaaa aaaaaaaaag gggcggccct   1680
ttag

```

```

<210> 4571
<211> 3652
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (3653)...(1207)
<223> similar to gi5360115 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4571
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tgtgaaacca cttggcaata tagtaaattt taaagatttt atttcaactt cactcactta   120
tatttcttgg gaatggggat atatacatta ttcaccaata aatcgctaata gctttaaatt   180

```


cgccgctgcc ggccgcccgc gcggggaagc tgccgcagtg cctccccgcc at

3652

<210> 4572

<211> 6639

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (3)...(6417)

<223> similar to gi2224547 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4572

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aaggacaggg	tattaaaacc	gacattccca	ggtacatcat	tagccaactg	ggactcaata	120
aggatccctt	ggaagaaatg	gtcattttgg	gaaactacga	tagtgggaca	gcagaaacac	180
cagaaacaga	tgaatcagtg	agtagctcta	atgcctccct	gaaacttcga	aggaaacctc	240
gggaaagtga	ttttgaaacg	attaaattga	ttagcaatgg	agcctatggg	gcagtctact	300
ttgttcggca	taaagaatcc	cggcagaggt	ttgccatgaa	gaagattaat	aaacagaacc	360
tcatecttcg	aaaccagatc	cagcaggcct	ttgtggagcg	ggatatcctg	acttttgcag	420
aaaacccctt	tgtttgtcagc	atgtattgct	cctttgaaac	aaggcgccac	ttgtgcatgg	480
tcattggaata	tgtggaaggg	ggagactgtg	ctactttaat	gaaaaacatg	ggcctctctc	540
ctgttgatat	ggccagaatg	tactttgctg	agacggtcct	ggccttgga	tatttacata	600
attatggaat	tgtacacagg	gatttgaaac	cagacaactt	gttggttacc	tccatggggc	660
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cacctgaata	cattgcacca	gaagtgattc	tgaggcaggg	ttatggaaag	ccggtggact	840
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atgaggcacc	cccacctgat	gcccaggatc	tgattacctt	actcctcagg	cagaatcccc	1020
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tagactggaa	cagtttgctg	agacagaagg	cagaatttat	tccccaactg	gaatctgagg	1140
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caggactgaa	ggctggagat	cttatcactc	acatcaatgg	agaaccagtg	catggacttg	2160

tccacacaga	agttatagaa	ctcctactga	agagtgggaa	taaggtgtca	atcactacta	2220
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cacaacccac	cagtgggtgg	cggcccctgg	aggtgctgga	gaagcctgtg	catttgccaa	5460
ggccggggaca	cccagggcct	agtgcgacag	cggaccagaa	actgtccgct	gttggtgaaa	5520
agcaaacctt	gtctccaaag	caccccaaac	catccactgt	gaaagattgc	cccacctgt	5580

```

gcaaacagac agacaacaga cagacagaca aaagcccagag tcagccggcc gccaaacaccg 5640
acagaagggc ggaaggggaag aaatgcactg aagcacttta tgctccagca gagggcgaca 5700
agctcgaggg cggcctttcc tttgtgcata gcgagaaccg gttgaaaggc gcggagcggc 5760
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ccccagcccc aaacactgac cgccccatct ctctttctaa tgagaaggac tttgtggtac 6360
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caggggagag agaaagacaa agaggggacc ttcttccaga tgcttccca gttgtaaccg 6600
gtaaaactgt taccagatag tgtttgtaca aaaaaaaaa 6639

```

```

<210> 4573
<211> 642
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (645)...(183)
<223> similar to gi2576345 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4573
tttttttttt ttggttttat agatttattt tcaaagagta aaacacatac aatttaaata 60
caagtccatc agaatcactc tgtcagagtc agcaagaatg ccaaaatgtg tcctcactgc 120
cagacattcg tcactatcat ctgagtcctc tctcagcaaa gccaaagggg ctgatacttt 180
attcatatac atccttctta tctgcaatgt aatctacaat ttcttgtgga cacattaact 240
tttcagcatc tatatcagga atttcaaacc caaatctgtc ttccatggcc atgataatct 300
ccacttggtc caaactgtct aagcccaggc ctttcataaa atgagaattt actgaaagct 360
tctctgggtc aatcttgtca tagagtttca atacgtaaag aacacgggcc tggatgccct 420
ctaacgtcaa aggaggcatg tcgctatact ggcggcacia ctgtgtaact ctaccaggaa 480
cctgcgcgag cactaaggcc ggctgcaaag tcccagacct cgtctgggtc cccgcggagc 540
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aggccgcggg caggcggctg acataggctg aaaggacacg ag 642

```

```

<210> 4574
<211> 1972
<212> DNA

```

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1973)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (1931)...(250)

<223> similar to gi790585 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4574

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cgagacttcc	aaatcgcttc	agcaggggct	ccagacttcc	ccagcaggcg	gcagggttcc	180
tgtcatgctt	tgccttcct	tctcatatac	accagtgtca	gagttcatca	tgtgtcaaaa	240
ttgtatcttg	cttcttggtt	tcaagatgat	ctaatagttg	tcttatctca	gcatcatact	300
ccacccattc	tgggacaatt	ctggcagcag	cttttagttt	ggattctttt	gttttgggat	360
tattgcacag	atcaattggt	ttggctcttt	gtttggattc	atcatcacac	cagggtttcac	420
accacagcca	gtcttgagga	agagacttaa	tggcgacttg	gtaaatcata	ttattgggga	480
gatcctgatc	taggtttgaa	agactgtttg	gatcttgact	gagagcttga	tactgggtcc	540
tgagcctgtc	acctgctcca	attctcctga	acttcttgag	atccactaca	tataaagcac	600
tgatatggta	tttccgtctt	aaaagatgtg	atgccagta	tctgtttttc	cagaaacgat	660
atccatccat	ttccctgctg	ctatcacaaa	atggagtata	cccataagga	gctccatcca	720
gatcgaaatc	tcgaagtctt	tttagatcat	gtctcacaat	ctgggtcagca	tcaacaaaaa	780
tgattttgtc	cactgctagt	gggaaaagaa	catcaaggaa	aagaattttg	taaccccaaa	840
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catatcgga	tccatactct	ttagccatgt	gaggaattac	ttctttaaat	gtcgggtgaga	960
gataattttt	tagcaaccag	aatttcaactg	gtgttttggt	gttacgcaaa	acagaaagca	1020
tcataattct	taaaaaacgt	tcatataaat	gaccagaagc	aactgaaaaa	atgttttagga	1080
catctttttc	ctttttggtt	tctttatgca	agcttactgt	gaaactttta	atggaatccc	1140
acagtccttt	tgttttttca	tcttcatcgg	taaggatata	ttccttaatt	ttgtctgttt	1200
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cttctaggtc	tgtttgagag	tcagttcctt	catgcccaac	tatttgataa	atatcttcag	1320
attttccttg	gtgtaacctc	agtatccaag	cacctggggt	tgcttttaata	tgaaaataacc	1380
catgatgtgc	catcactatt	gtatcaacca	cagcagggtt	attttttgtg	cctagtgtga	1440
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agtattctag	ttcatattct	gctgtaacag	ttttctcagt	atcctttaag	tgaatattat	1560
caaggtcaca	gttgctgtgc	actgtttcaa	ccaaccagcc	ttctggagta	atcatgttga	1620
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tgccaagtac	aaccaacaac	tgtgccattt	tctgtgcttc	tcttgtaaat	ggatcaacaa	1860
tagcaatgac	attgaagaac	atatcattct	cttgaggatt	cgtctttata	acactgtgat	1920
tctccctaag	aatgaattc	cngcncntgg	ctatgggtcat	cgatnctcaa	tg	1972

<210> 4575

<211> 1892

<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (85)...(642)
 <223> similar to gi256994 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4575

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tgtatacact	acatccgatg	ccttttggaa	accttatttg	ttcacaaagt	ttctgcagga	180
cacacacctt	tgaaaaat	gataatgagt	tgtgcctttt	actggggatt	tacttcttgg	240
attgcctact	acatttatcg	tccactatat	acaccaccat	catttggaaa	caggcaaadc	300
acagtatctg	ctatcaat	tctgatttgt	gaagctggga	atcatttcat	caatgtaatg	360
ttgtctcatc	ccaatcacac	aggaaacaat	gcctgtttcc	caagtccaaa	ttataacccc	420
ttcacatgga	tgtttttcct	ggtttcatgt	cctaactaca	cctatgagat	tggatcatgg	480
attagtttca	cagtcatgac	acaaacactg	ccagttggaa	tttttacct	tctgatgagt	540
atccagatgt	ctttgtgggc	acaaaagaaa	cataagattt	atctgagaaa	attcaattca	600
tatattcata	gaaaatcagc	aatgattcca	ttcatattgt	aaaaaaagaa	tcttatctcc	660
tatagaaaac	agcaacatat	aaattcaata	aataagactt	agttaaggat	agttaactat	720
tatactccaa	caattcatga	gcaacagtat	atacactgag	taaaaatata	aaatagtaaa	780
atttcactaa	atttatagaa	atgcacatgg	taataaaaaag	tataaattat	aaatgcaatt	840
aactaagaac	agctctgaat	gtatttgcac	gggattggtc	cttgaataaa	attgtcttac	900
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ctgattaaaa	aaaaaaaaaag	cgatctgaac	agacatttcc	caaaggaaga	catatacatg	1020
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aaccacaatg	agatatcatc	tcatcctaata	taagggtgact	attttcaaaa	agacaaaaaa	1140
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aattgcttga	gttcagaagt	ttgagatctg	ggcaacatat	tgagactctg	tctctaaaaa	1260
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cactgctggt	gggaatgtaa	actaaagcag	ccatgtggag	aacaacatgg	agtttcttca	1560
aaaattacaa	atagaactat	catatgatcc	agcaatacca	ttactggaaa	aaggaaatct	1620
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tataggagca	acctaggtgt	ccaacaacag	atgaatggat	aaagaaaatg	tggatatatat	1740
acacaataga	atactatgca	gccataaaaa	ccgaattcct	gtcattcagg	acaacatgga	1800
tgggaattgga	gggcatatgt	taagtgaac	aagccaggaa	cagaaagtta	aacattgcat	1860
gttattactt	atatgtggaa	gctaaaaaaa	tt			1892

<210> 4576
 <211> 3511
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (2)...(2169)

<223> similar to gi4760778 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4576

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ctatcatgac	aacagcttcc	gcatcgcaag	catcaagccc	gtcataagt	agactcccct	180
ccccgttgac	ctctaccgct	atgatgagat	ttctggcaag	gtggaacact	ttggttaagtt	240
tggagtcac	tattatgaca	tcaaccagat	catcaccact	gccgtgatga	ccctcagcaa	300
acacttcgac	acccatgggc	ggatcaagga	ggtccagtat	gagatgttcc	ggtccctcat	360
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ggggccctat	gccaatacca	cgaagtacac	ctatgactac	gatggggacg	ggcagctcca	480
gagcgtggcc	gtcaatgacc	gcccagacctg	gcgtacacg	tatgacctta	atgggaatct	540
ccacttactg	aaccagggca	acagtgtgcg	cctcatgccc	ttgcgctatg	acctccggga	600
tcggataacc	agactcgggg	atgtgcagta	caaaattgac	gacgatggct	atctgtgcc	660
gagagggtct	gacatcttcg	aatacaattc	caagggcctc	ctaacaagag	cctacaacaa	720
ggccagcggg	tggagtgtcc	agtaccgcta	tgatggcgta	ggacggcggg	cttctacaa	780
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ccacctcttt	gccatggaga	gcagcagtg	ggaggagtac	tatgttgcc	ctgataacac	960
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tgggggactc	tatgaccccc	tgaccaagct	ggtccacttc	actcagcgtg	attatgatgt	1140
gctggcagga	cgatggacct	ccccagacta	taccatgtgg	aaaaacgtgg	gcaaggagcc	1200
ggcccccttt	aacctgtata	tgttcaagag	caacaatcct	ctcagcagtg	agctagattt	1260
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ccagcccacg	ctgctggtca	acggcaggac	tcgaagggtc	acgaacattg	agttccagta	1860
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tgagcactgg	aaataccttt	taaagaaaaa	aaaacatgag	ggaataaaaag	aaattcctat	2880
caaaaatcaa	agtgaataaa	taccatccag	cacttaactc	tcaggtccca	actaagtctg	2940

```
gcctgagcta atttatttga ggcgagagt taaaatttaa tttaaaatgg tggctataat 3000
cactacagat aaatttcata ctcttttgtc tttggagatt ccattgtgga cagtaatacg 3060
cagttacagg gtgtagtctg tttagattcc gtagttcgtg ggtatcagtt tcggtagagg 3120
tgcagcatcg tgacactttt gctaacaggt accacttctg atcaccctgt acatacatga 3180
gccgaaaggc acaatcactg tttcagattt aaaattatta gtgtgtttgt ttggtccaga 3240
aactgagaca atcacatgac agtcaccacg aggagagaaa atttaaaaaa taaaaataaa 3300
aaccaaaaaa aatttttaaa attaaaaaaa caaaaataaa gtctaataag aacttttgta 3360
caggaacttt tttgtaatat acatgtatga attgttcacg gagtttttat attaatttta 3420
atttgctgct aagcaaagac tagggacagg caaagataat ttatggcaaa gtgttttaaat 3480
tgtttataca taaataaagt ctctaaaact c 3511
```

```
<210> 4577
<211> 2218
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2217)...(1616)
<223> similar to gi3878571 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

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<400> 4577
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cacctacagc ctggccaaga acccttttct ctccacatt cccctgggag cagaggatag 180
gcctgatgat tgttttaaac agtagaaagg gttcagctaa gaactacagt ccactctcag 240
ccctgtcatg tactatagga caagtcttca ttcacaacaa atggatagca acaccaatct 300
cgtaacactg ggaaaactgc atacaatatt tagaaggaa actaatacag cagaatctgc 360
acacaacgga gtcaaagatc tgaggccaaa tctactaca ctttacgact ttgagttggt 420
cacttttctg aaccttagct tctccatcag tgtaaaactg atgtaaaata atataaagct 480
atatgaaagc tgatgtgatg tacttgtgaa atagtatgtg caaaggact ttgtaaaatg 540
taaagcacta tgctggttat tgtgatatct gagatatatt taaagttgca attcaattca 600
acaagcattc atttagagtc atgtgcaagg cactgtgcta agagatggga aaatactaca 660
taaatacaaa attctgctga aaactaactt attggcagag ttccaaataa tgaaacggat 720
acatttaaca aatcagagta ttgctacacc tgagattttt cacttcaacc acctggaagg 780
agaaaaccta ataacagcat gaattttatc atactgttac cattcatagc agcttaataa 840
gtatttcact tcaacgtggg cagccaagtt ttataatttg gcaatagtgt aaagaagcgt 900
gaagagaaaa ggaagaggag gaagagcttc agtctttgta tctcccaggg ttataatata 960
aaactgaaca tcaataaagc cacccccacc ccttataact atgatttatt atttcttaaa 1020
gagcgtataa tacatttgtg gagaagggtg gaagattcat ttttcctgct cactcaacta 1080
cacactcaaa agtgaaagcc ctcttccttg aaaagtgact gtcttagaaa agtttaacaa 1140
tacatttctt aaaccaggaa aaaattacac catctattct tttaacagca ggtagtttag 1200
agttcttaaa ataactttat aaatatataa tatagtaaca tagataacca aagtggaaaa 1260
atttcaagcc agggtagcag tgtataaaat gaaacttttc aagccatctt aacaacagtt 1320
aagttagcaa accaccaact ctgaactctc aagctgtgtt ttaaaataca aagcagcccg 1380
cagcaagttc tctcttgctc aggcattctg tatgtaaggc caggaggctt ctgcttcttt 1440
cctgggtttt gcttgctagg cacagctgga agggcagaag gccacagctg agctgaactc 1500
gctgtcaaat ttgaacttcc tagaaaaatc actgcagagg aaaccacatc aacctactga 1560
agatttcaga tcttcagaaa tgtcacggaa agtccgctga ggctgagcag gccatggggt 1620
```

```

ctgggtttggc gtgggaactg aattcgtggg actcactagc atggcactat agatattgga 1680
agcaaccaca agtatgcaga gaagaatagg accgatgatt gtccttcca ggcctaggta 1740
gtatgctcca ccggccactg ccaagcctgt caggtaagga tggccacctc ctgatatgtc 1800
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ggccttgcat cctaaccctt gtgtcagcca caggtaaga actgcaggta ctgctgcca 1920
gtatgtcccc aggaatggca ctgctccaag gattgctgct aatgctgatg gtatgaagac 1980
aatattgatg ccaaacatag tatgagtcag ccaggatatac aatccataga agccagccat 2040
tttgaggga gcatcaaaca cccctctgat agcttcttcc acagactggc caataatatt 2100
agaagaagga cctggctgag atagtggagt caggcttatac acccacttca ctggcttgta 2160
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```

```

<210> 4578
<211> 470
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(94)
<223> similar to gi4929679 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4578
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cctaccattg cacagatgaa cagccctcca gggaggagca cgggttcagg tacatgtggc 180
acctgccctc cctggctgcc ctttactgct tgactccata cagggaaggt tttttatcct 240
cagccacgag ttctcccatg ggcttccttc ccaagcccc tagagggaac acaactgcag 300
aggatgtgaa actgcatgct tgaagtaa atacaaagaac actgagctga tgggtggatc 360
gggcttcctg cggctgccac catctgaaat aatctaagtt gagcatcatg gagcataact 420
atcgcaaggc ccaggcattt tccacactac agatgatagc cagtgtgact 470

```

```

<210> 4579
<211> 4623
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4624)...(1222)
<223> similar to gi3327142 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400>	4579					
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cgcccatccc	ccttgaaaca	aggtgtctgg	acggaccaca	cccataagcg	gctctccgca	180
aaccacaggc	gacgcccgtc	tcctccgggt	ctcaggggtg	ccacatcctc	ccccaccagg	240
gctctgacag	caggcacaga	gcagcagcac	gggcaggggtg	gagcggggagc	agcgtgtggg	300
ggcccccgcc	acccccagag	ctagtctcag	accaggaagg	gagctgggca	ccagagaagc	360
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tcaccactc	aggactggct	cgggctatgt	acaggggaga	ggaacgggtca	acactcacag	900
ccagggggcg	actcgcacac	gccggccgga	gggcgggggc	cgaagcaaca	cctgcccccc	960
agccgggaac	tgatggccgc	acacgccatt	cacgtgtctc	caatggggcc	tctgcatcat	1020
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ggacacgggg	gtgggggtgg	gtgagacgtg	gaggaagagg	gccttgcttc	ctcttccgcc	1140
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cccgtgcagc	accagcccga	tgttggtgtc	cagcagcgcc	atctcggggg	ggtcttcccc	1860
gaacaccagc	agcatgaggt	agcgggcgcg	gtacagcagg	ctcagggcg	tggacagctg	1920
gctgctggcg	aagcagtaca	gggccagggt	catgtatttc	tggatgggtg	tggggtgctc	1980
ggtgcccatc	acccgctcgc	tcatcagcac	cgccttctgc	tggttactca	gggcctctgc	2040
gtagtcgccc	atgatgtagt	ggaggcgggc	gaggaggcgc	aggcaggcgc	aggtctccac	2100
gtgcatggct	ccgtagacgt	tgttaaacag	gttcaggggc	tcattgatga	gctcacagcc	2160
ctccttcagg	aagccctgct	gcactttggc	ctgcccgcct	tggagaagaa	ggaaggcatc	2220
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tgccagcggt	gccccgtcca	cgggcaggac	cgcgtgctcc	atgcagtcct	tcaccaagcc	2880
agggatctgg	caggagagca	ggaaggcagc	cgcgtccttc	agcagctgct	tctgggtccc	2940
aacttcatcc	tggcaggact	cagggaaaac	aacccctggg	gagaagatgt	caggattgaa	3000
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cttggccagg	ccgctggcgc	tgtaccctc	ctcctcactt	cccgcctcct	gtcctggagg	3180
atcctcagac	ttggactcca	aggaggaagg	accaccattt	tccaggggag	aggggggtct	3240
cagctggctg	gcgtttctgt	gcacagctg	caaggcgggc	agcttcataa	agaggaggta	3300
cctgtgctcc	acgaaggcgt	ccaccagctc	ctggcgcgag	cagcagagct	tgtgccgggtg	3360


```

gataactgaat aaataccaac tgcccacctc ctccccacc ccccaaaca cacacacact 1020
ctcctgccct tgggggtgat tggagtgtga tttctcctgt cagttgtaag 1070

```

```

<210> 4582
<211> 1231
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (188)...(1158)
<223> similar to gi3462503 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4582
tttccgggtc gacccacgcg tccgccagga gaaggaagcc aacaggatcc gacccggtgt 60
tttgtgacaa aggcaagacc cccaggtcta cttagagcaa agttagtaga ggaggcagct 120
aggcgtggct ctcatcctt cccacagaat ggattataag tcgagcctga tccaggatgg 180
gaatcccatg gagaacttgg agaagcagct gatctgccct atctgcctgg agatgtttac 240
caagccagtg gtcattctgc cgtgccagca caacctgtgc cggaagtgtg ccaatgacat 300
cttccaggct gcaaattcct actggaccag ccggggcagc tcagtgtcca tgtctggagg 360
ccgtttccgc tgccccacct gccgccacga ggtgatcatg gatcgtcacg gagtgtacgg 420
cctgcagagg aacctgctgg tggagaacat catcgacatc taaaaacagg agtgctccag 480
tcggccgctg cagaagggca gtcaccccat gtgcaaggag cacgaagatg agaaaatcaa 540
catctactgt ctacagtgtg aggtgcccac ctgctccatg tgcaagggtg ttgggatcca 600
caaggcctgc gaggtggccc cattgcagag tgtcttccag ggacaaaaga ctgaactgaa 660
taactgtatc tccatgctgg tggcggggaa tgaccgtgtg cagaccatca tcaactcagct 720
ggaggattcc cgtcgagtga ccaaggagaa cagtcaccag gtaaaggag agctgagcca 780
gaagtttgac acgttgtagt ccatcctgga tgagaagaaa agtgagttgc tgcagcggat 840
cacgcaggag caggagaaaa agcttagctt catcgaggcc ctcatccagc agtaccagga 900
gcagctggac aagtccacaa agctggtgga aactgccatc cagtccctgg acgagcctgg 960
gggagccacc ttcctcttga ctgccaaagca actcatcaaa agcattgtgg aagcttccaa 1020
gggctgccag ctggggaaga cagagcaggg ctttgagaac atggacttct ttactttgga 1080
tttagagcac atagcagacg ccctgagagc cattgacttt gggacagatg aggaagagga 1140
agaattcatt gaagaagaag atcaggaaga ggaagagtcc acagaaggga aggaagaagg 1200
acaccagtta ggagctggat gaatgagagg c 1231

```

```

<210> 4583
<211> 1680
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(534)
<223> similar to gi4337174 in the genepept database release 114,

```


Run with FASTXY 3.3t00, default parameters

<400> 4583

aaatggtgct tctggatgga gggtgtgagt cttcctgcta tgtgagtgac atcacacgta 60
cgtggccagt caatggcagg ttcaccgcac ctccaggcaga actctatgaa gccgttctag 120
agatccaaag agattgtttg gccctctgct tccctgggac aagcttggag aacatctaca 180
gcatgatgct gaccctgata ggacagaagc ttaaagactt ggggatcatg aagaacatta 240
aggaaaataa tgccttcaag gctgctcgaa aatactgtcc tcatcatgtt ggccactacc 300
tcgggatgga tgtccatgac actccagaca tgccccgttc cctccctctg cagcctggga 360
tggtaatcac aattgagccc ggcatthata ttccagagga tgacaaagat gccccagaga 420
agtttcgggg tcttggtgta cgaattgagg atgatgtagt ggtgactcag gactcacctc 480
tcatcctttc tgcagactgt cccaaagaga tgaatgacat tgaacagata tgcagccagg 540
cttcttgacc ttactgagg cccacatgca cctcagggtc aaaatgggtg tcttctggca 600
gccctgcacg tgtgctttct gagtgtctct gtgtgtgcat taatatatgc attccatttg 660
ggagcatagc agctgtgtga atgtatgtaa ttgtgtgtgg ggggtttttt gttttaagta 720
gttagaagtc tgggaaaatg aatttttgaa tagtatgtta ctgcagcttt ggtaacatta 780
attctataga attaatgac agagcaagtt taatttttaa acataaaggc cttgggttaca 840
catgtccatg cattccagtt aacacattta aacatataga aaattcactt cttctttcaa 900
gtccttccct ttctatactt ttgctgagat caacccaata tcataagaag tttgtgtgat 960
gcctgtatth tttagctaatt accaagggtc ctgcctatgc aaaaattcat ctttcggtga 1020
ttgtgggagg ccaatacata ccttctgtaa ctccctcccta cctattctag atcctgcata 1080
tctactggag ccatatgagc cctcaggggc actggtgtcc tgcagtctta ctagtccagg 1140
acagtccagg ttccagcaac actagctacc taccaaaca aacacttctg agcttttctt 1200
gccatttggt tgcctgggac ctggaaagtg ttttagattct tgataaagat ggaaatggaa 1260
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ttccgcctgt agtcccagca ctttgggagg tccaggcagg tggatctctt gagaccagga 1380
ggtaagacc ggcctggccg gcgtgggtga aacactgtct ctgctgaaaa tgcaaaaatg 1440
agctgggtgt gatgatacat gcctgtggtc ctggctactt ggggggctga ggcagagaa 1500
ttgcttgggc ctggggggtg gaggttgagc tgagctgagc tcatgagact gcaactccagc 1560
ctgggtgact gagcaagact ctgcctcaaa aaaacaaata aataaataaa atcctgacat 1620
cctgccatct tttctcttca atttaaagtt gatttcttaa tgatgacttc aaaaattaat 1680

<210> 4584

<211> 1598

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1599)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (1598)...(1059)

<223> similar to gi4572464 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 4584
agccaggata ggggggtgaga aagccaaggt ctggagcttg ggattgggtg gcactttctc 60
acatgctgtc ccttatgagt cgcccaagcc tccagggaca cagactctca gacagggccc 120
tgaaggggtc aatgcatcca ttctcaacc ccaagcagca ttttgtgcaa ggaaacggat 180
gaaaggcttt tttagtccct gaaatcctga gagatcattt cacgttgggg tccactaaga 240
cctcagacat tttactggat ttgtccttcc tccatcacct tttctcccca agagagctct 300
atgaggggga ggagaatagc cagcaaattg tggggggggg ggggggtcaa acaagttcct 360
gtactcttta tccagcacat tcacattatt tttaaacaaa aaaatttttt ttaatttttt 420
ctttgggttt gtacaagaaa tttacagtgt gaaaaatata caagtgaana cgaggccata 480
aacctgggtg aaggggagag ctgcttggtc acaaacacaa ataaacaaga catctctgag 540
ttcttccttt ggtctgactt cagccccctc actccaggag agaggctgca gagctcaaac 600
ctgggaaccg agcccaggcc cgcccctgtc cccaatgtg ggcaggcaca tccggagcag 660
ctgggtgccat ctggctttct ctggcttttg ggtcgggggg aatgtgaaga ggagggagcc 720
ccttcttctt cctgctccc ctggctggag tgggctggaa gcgcctgtga acaggggttg 780
cagtggcact ggcagcgggt gggaatgaag tgggtagtaa caacagcctc tgggtaacag 840
tgaacacggg gacctttgag ctgtctgac ttgtcctcc aagtcataag gccaccctga 900
gttcttgga gaagcccaga ggcctggatc ctaggagaca agtggctttg gggccctcag 960
cctttggggc catccgtgga cctggggcc taagtggatc tgcagctgct gcccctctgg 1020
cagagctccc tacagagctg gttgctgagg gccctagatc tcagtagcag tgatctctc 1080
caggcagatg cagggggcct gctcggccag gcccaggta gcgagctccc gggcctccag 1140
ctccaggctg agctgctgca gctcctgctc tagctgccgg ttgcgccggg acatctggat 1200
gtagtgtgct tgcagctgct tctggtagcg gatcacctgc tcttctctg cctgccaggc 1260
cagccgctcc cctcaaagc tgtcccgtg ctctcacc cgcgccgct cccgctgcag 1320
ctccacccgc aatcgtcca cctgggccc caagctgccc ccaaccccg ntgctgccc 1380
ctgcactttg gcctcatcac tctctgccag gaggaatggg tcagcgggtg caggtggcac 1440
agggggctcc cggagtccgg ccgcctcagc atccaactgc ccagctttct cccgcagctg 1500
ctcagcttcc tggcgggtgc gctgcagctc ctgggaacag gcttccagct ccagctccc 1560
agctcgggag gcctcctgta gaccccgcc acggccct 1598

```

```

<210> 4585
<211> 2148
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (237)...(789)
<223> similar to gi2734081 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4585
ggcacgagt aacctcaaat tgatggaaag gtcattgcat agtgaaggta aacctgattc 60
actattgcct ggtaattgtc gatatagtta taaatgaagt cagtttcatt gaaagttaaa 120
tgaagggttag gaaaaataat gatgcttatt tactagacaa gaacaaaatt aatatggatt 180
gtttcattag ctgtttcttt aaaaagatgt taaccaccct catgttttca cattcaggta 240
tccttagtct gttggagcat ggagaagagt acacattttc tctaccctgt gcatatgctc 300
ggtcaatttt gactgttcct tgggtagaac tgggtggcaa agtcagtgtc aactgtgcaa 360
aaactggata ttcagccagc atcacttttc ataccaagcc attttatggg ggcaaactgc 420
atcgggttac agctgaagta aagcacaaca tcaccaacac tgtggtatgc agagtgaag 480

```

```

gggaatggaa tagtgttctt gagttcacat atagcaatgg agagacaaag tatgtggact 540
tgactaaatt ggcagtgcag aagaaaagag tgagacctct ggagaagcag gatccatttg 600
aatccaggcg attgtggaaa aatgtgacag actcgctgag agaactctgaa attgataagg 660
ccacagagca taagcatacc ctggaagaac gtcagaggac tgaagaaagg catcgacttg 720
aaacaggcac accttgghaaa accaaatatt ttattaaaga gggagatggc tgggtttatc 780
ataaaccact ttggaaaata attccaacaa cacaaccagc agagtgcacac atactatcta 840
aaactcgacc aaatgagggtt cttctctgtt taccctaaat cctcccagaa tggagtcatt 900
gcaactgagt acctgcttcc tgattgcgca gactgaaact agctaaacct gaatgtacct 960
actagggcac cataatactg cagcaagacc aaagtggtaa agaaacacag tggacctttt 1020
accaacctgt tcatgtgatg tgagcaatac catcttaaaa cttgtttacct gaatcagtag 1080
atgaatcttt tatccagttc ttgtctcctaa agttaagttt gaatccccta tttttgcaca 1140
ggggcagcag atacacacaa caatgagaac tcagtgcact tgatttcttt gtagtgaaaa 1200
gtgaagtctc cgtttcagag ttgtgtctt tctttctgtc cataactgaa gtattcacta 1260
ctcttgtaaa ccaaccaaga ggaggagaaa gatgaccagc aagtggattc agccattgtg 1320
cctgaaatca gtgtttaaaa aaaaaaatca accagggttg ggtaacaagg cattctattt 1380
cttcaaaaag actgtatgcc tgtgtctgag gaacttacct attatccacc tctgttggaa 1440
ctctctttta aaaagtacat ttatagattg atcagaatta taacctgga gaattttttc 1500
ttctgagcat tttaatatac ttgaaaacaa cattgacttg aaaaatttca gaacattttt 1560
cagtacctag ttttattaaa tattacactt gagagacact ttttaaaaat gtgttaatgt 1620
caatatgatg agatttttagc ctttctccag aactaaggca ttaaagaaaa tagcaaatat 1680
taaaaaataa aactgttact ttttctctc tttcttttca cttttagggtt aatatccagt 1740
attatgtgtt atcccttttg ataagtatgc tttattttac ctctgttaaa aattaaaata 1800
aatgattcta ttcataattt tcagtaattc aaaacttata tgtgtaactg aacgcgcatg 1860
taaggatatg ttttatttat ttattttttt tttttggggg aaattttaat gctaaaaaac 1920
caccaaatg aaagggtatc agggaaaaaa aatcagggaag ttgttttcgg gcccaaatct 1980
ttttttaaaa aaaaatttgg tgggggtgaa aaaattgctg gcatttaaaa aaaaaaacct 2040
aataagggtc tccaccatcc attcatggta tttattgagc acctacttat tatggtgctc 2100
caacacttgt tactgcaagc taccttaatt tcccaagagt ggtgcctt 2148

```

<210> 4586

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(151)

<223> similar to gi2072963 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4586

```

attttgtatc cagcaaaaatc aaacttcata tatgaaggaa agatacagtc tttttcagac 60
aaacaaatgt tgagagaatt tgtcactacc aagccactaa aaggagctct aaatcttcaa 120
acaaatcctg gaaacacatc aaaacagaac ctctttgaag cataaatctc acaggaccta 180
tcaaacaaaa atacaattta aaaaacacaa aaaacaaaaa aaaatgtata caggcaacaa 240
atagcatgat gaatggaata gtacctcata tctcaatact aacactgaat taaatggcct 300
aaattctcca cttgaaagtt acagaattgc agaattggata agatttcaca aactatatgc 360
tgccttcaag ag

```


ccgggaagaa	aacgaaaacc	actttccagt	aatatatggc	attgctgtca	acattaagac	600
tgcagagatt	tacagagcat	cctttcaaga	tcgggggtccg	gaggagcagc	ttcgtgctgc	660
gcgaacttta	gcaggaggac	caatgattag	catttatgat	gcagagacag	aacaacttcg	720
tataggaccg	tactcctgga	caccattttcc	acatgtggat	ttctgggttg	accaagatga	780
caagcaaata	ctagagaatc	tttccacttc	gcctctgggc	tgagccaccc	cactttgttg	840
aacatattag	atctaccttg	atgttttttaa	aaaaacaccc	atctccagct	aacacactgt	900
ttcctggaaa	taaagcccta	ctctacaaaa	aaaatgaaga	tggttgtgg	gaaaagatct	960
cttctccagg	aagttaaaaa	acatgaatta	ccaaagaaag	caccttcttg	gcctgacaga	1020
ccattggtgg	ggctggcacg	aatccagatc	tggatcctac	atctgttggg	tcttaggcct	1080
ccttcctcc	tcagtgtctt	tcaaatagat	actttcatca	aatgactttc	aaaataaaac	1140
cttatttttg	caaaggcatt	tggtgagact	tatttttttg	tttactaaaa	aattgatgtc	1200
cagttttttt	ttttggtcgg	taataacggg	cagaggagaa	cctacctctc	actggtctat	1260
cggcagctat	ttcaggtacg	tgggtaagtc	ttttgtaata	agatttataa	actgaattca	1320
ctggtaacaa	tttcaagacc	ctttattgaa	cccaccattc	aaataatata	tcaagggtga	1380
aatgtttcag	caaaaccaat	ttaacaattc	caaataatata	taaaaacatg	taattttctt	1440
gaaggtgata	atttaccctt	ccccattttt	atctgctata	cttcattgca	ccaaataggg	1500
aagactgttt	aatcatttgc	accaaataaa	aacccccctg	attttgacaa	gtgtaaatgt	1560
caaaaatccc	atcaaatacag	agtataatta	taggcttaat	atactataac	taaggcttcc	1620
aatactacag	tccagaaacc	cagtgtgaat	tttcccattt	tcaggctctc	caaaagcttg	1680
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agggcagtag	aagcttcagt	gggagacagg	tcaaaggggt	actgtttttc	agattttaac	1920
caggtgggtg	ctacgtagca	cacggaagag	caagctctta	agggtagcat	ctatcagggt	1980
ttcagatact	aaacagaaat	gagcacagtc	tgtacttgtg	tgccaatttt	aaaagctttg	2040
ccagtattta	aaaatatatg	gtcaggagga	gactttacag	tttctcttta	caaacgggat	2100
ataatgggag	aaatggcctt	gtggcagagg	acagtcccag	acagcagcct	tgccacagct	2160
caagtagaca	cagtccttac	taagtctcca	cgaagagcag	tagctgggga	gggcttctga	2220
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cctagaaagc	ctacctttca	ggcacatatt	tgtgccaaaa	tccagtgaa	gcacaaacaa	2640
cagtaattta	tattagtatg	tggcacagtt	cacatttcca	atagaacttc	atcttccctg	2700
aaacaatact	cagtacagtc	tcaaaccaca	caatgagtct	catcttaagc	tctccggctc	2760
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gatctgctcc	ggcccactgg	ataggcgctc	caccttttct	aagtcttcaa	tatgactgac	2940
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tatgcaggct	acgagctgat	ccacatcctc	tccccagatt	cctaaaactg	ctgcggtcat	3720
caaagggctg	aaccgcaaac	acgtgccctc	agcttccaga	tccatgactg	tgaggccgct	3780
tgcaggcacc	agctgcttca	gctgtttctc	cagccagcga	ttcagcgctg	cacacgagtg	3840
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atctgagcct	ggtaattcct	ggaaaaatct	gaacaccacc	actggggagc	tgagctcatc	3960

```

ttccaccaag attttgatgt aattcacttt cttcaaactt tcttgcaacc gttgactcag 4020
ttgacaggca tgcttgatcc tctccacaaa cccatcaagt cccaagtatt gtaaagataa 4080
ccacagaggc agggcacgga gtttgtctgt gggcttattt gatgtaagac cagcaactaa 4140
agtcaaggca ggggtcatcg gtttatacag tgtcaccgca ggaacagctg gcaaaccag 4200
ccacgggcca ggagtcacg tcatgctatc acatttggct gcagccagca ctgatgagga 4260
gacataaccc agagccaatg ttgccagatt cacaccctcc acatgaagcc atatgccata 4320
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```

<210> 4589

<211> 1117

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(729)

<223> similar to gil397319 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4589

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cagtaaggaa tgtgaacctt atcgaagaaa tgaagacaaa ccaattgtct cttgtggagc 180
tattgccaac agcatgttta atgatacatt agaattgttt ctattggca atgattctta 240
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tgtgaactgg cttaaaccag tttacatgct ggattctgac ccagataata atggattcat 420
aaatgaggat tttattgttt ggatgcgtac tgcagcatta cctacttttc gcaagttgta 480
tcgtcttata gaaaggaaaa gtgatttaca tccaacatta ccagctggcc gatactcttt 540
gaatgtcaca tacaattacc ctgtacatta ttttgatgga cgaaaacgga tgatcttgag 600
cactatttca tggatgggag gaaaaaatcc atttttgggg attgcttaca tcgctgttgg 660
atccatctcc ttccttctgg gagttgtact gctagtaatt aatcataaat atagaaacag 720
tagtaataca gctgacatta ccatttaatt ttatattatg aaagcaaadc atctgcatgt 780
gcatcaaggc cagtcctatt caacctagct ttcgaatgct gatatctggg tagtatgtca 840
ttttgaaggg ggcacataac ttttctaaaa aaaagcagtc tttgttgttt gcttcttccc 900
tacggatgac ttctaaaaat atatgacggg tataaaaaaa ttagctatat tgatcatatc 960

```

```

aacactgtaa ctgctgaaat ggcattctaa tgtttgcttt ttattcggac aggccacatg 1020
atgcatagag cctctttcat gtgacttgtg tctactgctt aaatctttat gctgtgttga 1080
tgatattata ttgacatatg aagctgtaaa aaaaaaa 1117

```

```

<210> 4590
<211> 370
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (7)...(326)
<223> similar to gi2072963 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

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<400> 4590
ggaatattat ttttaaaacta cagaaaaatca aagataaaga agaaaaacct tgaaagaatc 60
cagaagaaaa atatatatat ctttcctagc aaagaacaaa aaattatatc tgacttctcc 120
cttagtactc atgcaagaaa agagtggagt gacatgttta cagtgttgag agaaatagaa 180
caccaaacta gaattctgta ccctgtaaaa atatccttca aaagtggaag agaaataaaa 240
acttttctca acaaaaaatt gaggaatttt gtcgccagta gacttgcctt gcaagaaatg 300
ctaaaagaag tcttttcagag agaaggaaaa taacataggt cagaaacttg aacctatgta 360
aagaaaagaa 370

```

```

<210> 4591
<211> 1980
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1815)...(681)
<223> similar to gi3877204 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

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<400> 4591
tctaggggaat ttggccaccc taggcagaaa gtggtaataa cacagtcagc tcttgattgt 60
tctaataataa tggccaattt gcatattatc cacgtctttg accagttctt ctttcttctg 120
tggtcttttct ttttagtcatt acatttacag ctcaccaat atagtacaga agggatattc 180
aaattttgca acttgttgga tgaagaaggt ccttggggag gagactgaaa ctactgattg 240
aaaaatcagg tttataaata atttgaacat ttcatttctt tgtaattgac atatacttct 300
atatataatt atgagtttaa tgaagtgaga taatttaaga tgatcacaca ataaaacttt 360
acagccaaaaa tacaaagtct tcatcttatt ttcctacttc attttttttc atgttcttag 420

```

taagtgcatt	tttctacttt	attttttgaa	aagaacattc	atttttgaaa	agtttatttc	480
accaaggacc	aatcttttgt	tgatgttcaa	atttaaattg	ttctttcata	tctgtctcat	540
aggagaaaaa	catgaaaaat	tgcttctgtg	gtagtttctt	ctaggttttc	aagtactctt	600
atagtagcaa	ctggttcaaa	atactgcttt	gtttcaaagc	atacagttta	gatgtatctt	660
cactgatgat	gggaacattt	tcatttttgt	cctgagctgt	caggtcactt	tcactgtcag	720
atagtgta	caggagagtg	tcattttcat	aggttggaaa	ataatactcc	agttgatccc	780
acgtctttct	atcggggagc	agcgaagtgt	gttttagtttc	ttccatgtga	gttcttaagt	840
ctgctttgga	tttgaacttc	acatggcagc	cataacatct	gcattgggtga	acttgccctc	900
gaataaaaat	gaccagtttc	acttgctgat	agaaatttaa	tccaagttct	gactttattt	960
tgagaagatc	aaattcgtgt	gcatcctcca	tgtggacata	caactttctca	attgtttctg	1020
cttgcttttc	acaaaataag	cagactgcag	aggcagggtg	ttcttcccaa	tcagaccagt	1080
catcttctctg	atgggtccagc	aactcccgat	catcttccaa	ctgaacttct	ttccacgatt	1140
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aattggtatc	atttcgttct	tgctgctgtt	gttccagaat	ttctctcagt	ctctgtttct	1500
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cttgttcttc	aaatggagca	gtggaattaa	ttcttattac	actacaaaaa	tctgtgatgg	1620
gctgttcagt	gaaccttttc	ctccaatata	aaatgtacct	ttggaaatca	gcaaccaact	1680
tgacatcagc	tatgacaatc	ttatgctcaa	taatcatgtg	cttcagaagt	ttgtcttggt	1740
cagccacagc	aaaatgttct	tcacagaaaa	tacaaggcac	agatggagaa	ccttctaagg	1800
tggtggtgcc	acctggactt	tctggcaggg	aaagcggctc	caggatataca	tcttactgtg	1860
ccccataacc	tacacccccg	actgtgctgc	agctcccatc	acggtcttcc	tgcatctcggg	1920
cgacagcccc	ctgggtcttg	gaagcagcca	ttaccgcggc	gaaaagaacg	gacgcgtggg	1980

```
<210> 4592
<211> 449
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(380)
<223> similar to gi3413870 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	4592						
gcacagaggt	gctaggcagc	aaaggcattc	atgagcttcg	gagcagcacc	agtgccttgc		60
accatgccct	agaggagtcg	gcttccctcc	tcaccatggt	ctggagagcg	gccctgccaa		120
gcacccacat	ccctgtgctg	cctggcaaag	tgggagaatc	aacagaaagg	gaacttctgg		180
aactgagaac	caaagtatcc	caacaggagc	agctccttca	gagcacaact	gagcatctga		240
agaacgccaa	ccagcagaag	gagagcatgg	aacagttcac	tgtcagccag	ctaaccagaa		300
cacatgatgt	tttaaagaag	gcaaggacta	acttagaggt	aaggaaacta	ctgcaccagt		360
cagaggcacc	aagcctgtcc	cccacccatc	accatccgtt	agcagatctt	gtaggtgact		420
cttggcctgc	tttgcgcttc	caggagaag					449

<210> 4593
 <211> 2886
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (129)...(1314)
 <223> similar to gi2651302 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4593

gtcttcaatg	gtgtggagag	ccaaaacgtt	tagaaactga	agcttctact	gggcaacagc	60
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gccctgcatg	ccttgtgaag	gtttatgaag	attgggattg	tttcaaagta	aatgacattc	180
ttgagctata	tggcatactg	tctgtggatc	ctgtgctgag	tatactgaat	aatgatgaaa	240
gggatgcctc	tgcactgctg	gatccgatgg	agtgcacaga	cacagcagag	gagcagagag	300
tacacagtc	tccctgcttca	ttagtgccga	gaattcatgt	gatccttagcc	cagaagttgc	360
aacacatcaa	cccattattg	cctgcctgcc	ttaacaaaga	ggagagcaaa	acctgtaagt	420
ttgtttcaag	tttcatgtcc	gaattgtctc	cagtcagagc	agaacttctt	gggttcctta	480
ctcatgccct	tctgggggat	agtttggtctg	ctgaatacct	tatattacat	ctcatctcca	540
cagtataac	aagaagagat	gtccttccac	taggaaaatt	tacagttaac	ttgagtgggt	600
gccacggaa	tagtaccttc	acagaacact	tgtatcgaat	tattcaacat	cttgttccag	660
catcttttcg	tctgcagatg	actatagaga	acatgaacca	tttgaaattc	attccccaca	720
aagactacac	agccaatcgc	ttggtcagtg	ggctcctcca	gctgcccagc	aatacttccc	780
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cggcagactg	ccagattcac	ttacagcccc	agctaattcc	accaaactg	gaggagtaca	1020
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ttcagtaagg	actttttacct	tactgatttc	atggagcttt	tgaagtttgt	tttataataa	1560
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ctttggggaa	cggaggcgta	cttgccattg	attcacatga	ctacatgaaa	ttctgtactg	1860
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aatatttcca	aaaatctggg	gtactataag	gttgccaatt	taccttgcca	agtaatccga	2040
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tagagc						2886

<210> 4594
 <211> 6583
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2)...(1797)
 <223> similar to gi3043572 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4594	
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catcttggag	cacatgttca
cggcctggac	gcggtgctgt
cgcgctggcg	ctgggcaact
agagaagcgc	gcagccgagt
tcggctgcac	gcctgcctcg
ggtggagcgc	tcgggcacgc
ccgcttcgcc	cgctgtctgg
cctgcagcgc	ctcgtgccgt
tttctacctc	tgcgccgagg
cgacatcggc	gccatccaga
gtcggcgtg	gccaagcgcg
gccctccgtg	cccagctgga
ctccaagtac	tgcgagagct
cacggaggag	gaactccaga
ctttaggagg	ctcacggagc
cctggcggac	tggctgggca
cagctgcggc	ctggaccgct
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cagctaccgc	cggaaactcag
gcatggcttc	agtgtcttca
actcatccag	agtgtcatgg
ggacaagtgc	atgcaagacc
tttaagctgc	ggcaagaaca
ggtcctgcct	gaggacatgc
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gagcgtgtgc	agccgctgtc
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ctggcgcgga	gcgtggcagg
cagaggctgg	tggcggccgg
tgccgccactg	tgccgccactg
gcggtgcagc	gacgcatggt
acgaaggagg	acgagctgct
tggagcgcga	tggaagcgcg
tggaaccctgg	tggaaccctgg
ggcccgacga	ggcccgacga
gcacacaaagc	cagggccgcg
gagggcgcagt	gcacgggggc
ggcaagacca	aggtgttcag
tactctacca	atggcactaa
gaggtgccac	ggcccatcct
tggtgcagc	agatcggttt
ggcgacctgc	ttctgcggct
ggcatcacc	gcaagagggt
tctacgtgcg	accgcagcaa
cagtacacct	acggcctggt
gagcagcagc	tgctggaaga
acggcggcca	gagaaatgct
gacactccag	atgtcttcat
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gcaggcaagt	tcgaggacaa
gtgctatcac	ctggagcact
cataaggaga	ttgtgactgc
ttcgagtggc	ctgagcccca
ggtatcaagt	ggtcccacga

ccagctgcag	acctccagtt	gcttgggtgtt	cactttgtct	ctcttgcctt	ctgtcttctg	5160
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atggccaggc	tattcacaca	ggccacagca	gaaaagagag	cacctgtgaa	gaaataaata	6300
ccatactctg	gagtcggaaa	gggccatatt	ccaactctgg	caccaccacc	tcacacgctg	6360
tgtgaccggc	gagtagtcac	ttaacctatg	tctccccttc	ctcaccagta	aatcctgcta	6420
catcatgtac	tgtgacaagg	attcagtaag	gtcatatgtg	gacagtagct	ggcacagagg	6480
ggctactaaa	caaatggctg	ctattaaatc	cacattaaaa	gtacatgtga	tctgacagaa	6540
cccagcacat	aaaagaaaaa	aaaaagtaca	tgtgatattg	tct		6583

<210> 4595

<211> 927

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (16)...(517)

<223> similar to gi5911846 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4595

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ttggagggtga	gggagctcag	gcactctatg	acaggttgca	aattcaagtt	ccgcttttgg	180
agcaaccctt	acttccagaa	caagggtgata	gtgaaggagt	atgaatgcag	agcctcaggc	240
cgagtgggtg	ctattgcgac	tcgcatccga	tggcactggg	gccaggaacc	cccggccctc	300
gtacacagga	accgggacac	tgtccgaagc	ttcttcagct	ggttttcaca	gcacagcctc	360
ccagaggccg	acagggttgc	ccagattatt	aaagatgacc	tgtggcccaa	ccccctgcag	420
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<210> 4596
 <211> 5564
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2)...(2224)
 <223> similar to gi5689557 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

0044070328460

<400> 4596						
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<210> 4597
<211> 1485
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (307)...(964)
<223> similar to gi2224673 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<210> 4598
<211> 1586
<212> DNA
<213> Homo sapiens

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<220>
 <221> misc feature
 <222> (1585)...(1145)
 <223> similar to gi2921092 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4598

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<210> 4599
 <211> 1887
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (1665)...(423)
 <223> similar to gi5002565 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4599

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<210> 4600

<211> 1621

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (6)...(865)

<223> similar to gi3901268 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4600

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aagcggcata tgtttacaca cctgagggtct accccacggc aacgcggggc ctcggccttg 600
gcacctgcag cggcatggca agagtgggtg ctctcatcac tccgttcac gcccagggtga 660
tgctggaatc ctctgtgtac ctgactctgg cagtttacag tggctgctgc ctcctggctg 720
ccctggcctc ctgctttttg ccatttgaga ccaaaggccg aggactgcag gagtccagcc 780
accgggagtg gggccaggag atggtcggcc gaggaatgca cggcgcaggt gttaccaggt 840
cgaactctgg ctctcaggaa tagtgaccga tgggggactg agctggtctt tgaggctgca 900
gagcttgggg ggctggcagg cccaactgg ggcactgatt gtcactgccg acatcaagaa 960
ctcacccaag agtatgacct ggaccaacag ggttttgtgt cttgactcag ttgtctcatc 1020
ttcattgagg tccaccagg gatggggaga tgtttgctct aggggggtct ctgtatatgt 1080
ggtgaaagct ttgttcataa cctgtggatc tacatgggaa gactacccat attaggagg 1140
tctgtaatg ccagcaacca atcagacacc acccagagtc acccgccaa accctcagt 1200
aacaaccaa atactctct gtagataccg tccaggctca ggcccatgtg acacctgtg 1260
tccaccacc ggacctgttc agtaggtttc tccacacccc acagcccag gctttcttct 1320
ttgaaattgc aggcgatcta ggtgtggtct gagcagctat ttcttggcag gggccccccg 1380
gtttgcctcc ctagagcctg accagtggat tctctggcag atggacatgg tgcattcaaa 1440
ctggagccac atgccccac ccagccccct ctggagttgc cgttggtggc accaagagat 1500
ccagatgtgt ccctggggac agctggtctt gcaccagggtg acaacctcag aacgccgtta 1560
ccccctggga actgaggact gaggccaaag tgaatcaagc tgaagtcaga gcacgggcct 1620
c

```

```

<210> 4601
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (47)...(155)
<223> similar to gil77872 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4601
aaaaaaagtg tttattcatc aagtctttta agatacaaaa acacgtgtcc cagtaagaga 60
tctgaaacca gccatagtga aagtctatga ttactacgag accgctgact ttgcaattgc 120
tgaaaacaat gtccttgca gcaaagatct tgtttatgct tgaagaccac aaggctgaaa 180
agtgtcttgc tggagtctg ttctcagagc tccacagaag acacgtgctt ttgtatcttt 240
aaagacttga tgaataaaca cttatttctg gtcgggggtc taaaaaata attggtggga 300
aacctaaaaa actgggcttt gggaattttt tttaatttaa actttcccc aaatcaaaaa 360
aggccccggg gcttggggcc cccttctcca agaaatggat taacgggggg a 411

```

<210> 4602

<211> 1473
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc feature
 <222> (1473)...(573)
 <223> similar to gi35019 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4602
 tttttttttt ttgaagcgga ggcattactt tattcaggca gggactagcc aggcagggcc 60
 acagcgtggc agggatgggg ggagtcagca catgggagtg ccgtcacctc cattagccac 120
 aggccagacg gcccaggagg gcggtgctact gcagtgagat ggtgcactac tgcagtgagg 180
 tggcgcaggg ctggtgagct tgggcacaaa agccagcatg tcaccctccc tttggagaag 240
 cctctggggc acaggccttt tccagctgac gggatgcgga gggaagggga cctagtacta 300
 tcgggattca gctgacttag cctatgagat ggagcaggca agagattccc tttgcagggt 360
 gggaggttat attcctacag cctccattct tggagtaggc tcctttgccca cacccttttt 420
 caccttagcg ggccaggcct ctccagccaga aaccatatgt caagagatcg taagttaaga 480
 gtgctgctcc tgagcaggga gcgggcttgg aggcgtcctt cccctccccg cacccttaag 540
 tccccagtcg cgggcagatg gtcttttctt agtcctcccc tgaggaccag gactctctat 600
 ctccctccct ctgagtgaac ttccaggaact gaccctggcc cagggtgaaca ggagcccctg 660
 cccaagaggt cttcagagca ctccctcctt cctcctgaaa ggggctccct cgggtctccct 720
 cagagactag cggcattcct tgccccactt cctcagactg ctccagcccg ttcactactc 780
 cccattcac atgctgtgac ttccctccca agttgggacc ctggccatta acaccaatga 840
 tgtctgcccc tgggcctgca tccctcatcc cactgggatg ctctagaggg ccagggactt 900
 tgtcctccct ctccaaggaa acagggtcag actcttctct tgagccagaa ggctcagcac 960
 tgtcctggga ctccgtttcc agggcagtc tgggggcacc agccactgca cccctcaagc 1020
 tgtcatccca ggggacactg acactcacag aatcagactc caggaattcc cctctctggg 1080
 agctactcag ggcctggagg ctgccaacag aagaccctgg cccccaaccg ccagcccctg 1140
 gctccctccc ctccctcctga tccctctctc cctcctcccc actttcttcc tcatctgcaa 1200
 acccatcaga ctccccatct cgatcccagg ctgcaggatc cagtagcagc tggggcacct 1260
 ggcccagagg ttctgccacc tccccaggga ccccaggaag aaaagggtgcc tcagtcccca 1320
 ggtcctcaaa ttcttctgac aggtcagagt cacggccaca ctcttttct cctcctccc 1380
 cctcctcctt ttttgagggt ggggcctcaa ggccctcgga agccaggaca gcaggatccc 1440
 agccctcctt tccagtctcc ccttgagggg gtg 1473

<210> 4603
 <211> 227
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc feature
 <222> (216)...(130)
 <223> similar to gil340146 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 4603
tttcgtatatt ggttcaaggc ttgttaggat agttaagaaa gctgcctatt ggctggaggg      60
agaggctcag gcagaagccc tattactttg caagggggccc ttcagaagtc gctgggctca      120
gaaggctctt agtcgtactt gagagtgagc ctttcgaaga gatactcgcc cagcccagcc      180
tccggggccac ccagcctgtg gaggttggtc agctggctgc tcctgct                      227

```

```

<210> 4604
<211> 1251
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1194)...(366)
<223> similar to gill177358 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4604
tttttaagag gttcatgaca caaatatatt tatattaggt gaatcaatca cccaggatac      60
ccaagatctg atactttcac aaactgcttg gagggcaactt aagtatggaa gaagcttcag      120
aaccagccca gctttctgct ctctggctcc aggctgcac ctttttaact atttaatgtg      180
gcgtggaaaa tgtcagcata atgaggcttt ctcatctcaa tagagaacct aggaaggaca      240
aggccgaatt aaaaaaaaaa tcttcattaa agaatttaat agggagttga ttatggtgta      300
gaatcatatc gtcctattct gtgacacatt agaaacataa actttagggc tttttcatct      360
ccacagcata gaggtctgat cgcttctgtc taaaaacggg gatttgctgg cgtatttcag      420
ccagcttctt caggtctatg tctgaataca cgattgcttc ttctgtgcca gctttggcta      480
gaacctcccc ccaagggttc accacggtgc tgtgtcccca ggcaacatag gaggctttgt      540
catcccgggc aggagaggct gtggccacat acacctgatt atcaacagcc cggcttcgct      600
gaagtaactc ccaatgggct ggtccagtgg tcagattaaa agctcctgga tataccaaca      660
gctggcagcc tctctgtgag tagatttggt caagctctgc aaaccgcatg tcgtagcaga      720
tgcccagacc cactctgcag taaggagtat caaatgtgga gaaactatca cccggactca      780
atgtttttaga ttcttgaaat gtaatttttc caggaacatc aatgtcaaac agatggatct      840
ttctatactt tgctagtaaa gttccatcag gcccaaacac agcacagggtg ttatataatt      900
tcccagcatc ctcttcaggg atagagcctc caatgagata tatgctgcat tcctttgcta      960
cttcagaaag cttctgtgtg gattcaccag gaattttctc tgcataattca ggaaaatatt     1020
tcgctccata tggagaatta aagcattccg gcaaagaaac tattttggct ccttgcggtg     1080
ctgctcccg gatgaagcta caagcgcgag tgacgttatc tgatttgatg gaagaaatct     1140
gaagctggat gagggccaag cggaaagagg tcatgactct gcagacaagc accacctgag     1200
gcgcggaatg agcgtctggag atccggcgga ccgcggcgctc gctacacgaa a             1251

```

```

<210> 4605
<211> 1149
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (12)...(885)
 <223> similar to gi2121220 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4605

acaggagccg	agtggatatct	ccggtgatag	atgtgattga	ctggaagact	ttccagtatt	60
acccctcaaa	ggacctgcag	cgtgggggtgt	tggaactggaa	gctggatttc	caactgggaac	120
ctttgccaga	gcatgtgagg	aaggccctcc	agcccccat	aagcccatc	aggagccctg	180
tggtgcccgg	agaggtgggtg	gccatggaca	gacattactt	ccaaaacact	ggagcgtatg	240
actctcttat	gtcgctgcga	gggggggaaa	acctcgaact	gtctttcaag	gcctggctct	300
gtgggggctc	tgttgaaatc	cttccctgct	ctcgggtagg	acacatctac	caaaatcagg	360
attcccatc	ccccctcgac	caggaggcca	ccctgaggaa	cagggttcgc	attgctgaga	420
cctggctggg	gtcattcaaa	gaaaccttct	acaagcatag	cccagaggcc	ttctccttga	480
gcaaggctga	gaagccagac	tgcatggaac	gcttgagct	gcaaaggaga	ctgggttgtc	540
ggacattcca	ctggtttctg	gctaattgtct	acctgagct	gtacccatct	gaaccaggc	600
ccagtttctc	tggaaagctc	cacaacactg	gacttgggct	ctgtgcagac	tgccaggcag	660
aaggggacat	cctgggctgt	cccatggtgt	tggctccttg	cagtgcagc	cggcagcaac	720
agtacctgca	gcacaccagc	aggaaggaga	ttcacttttg	cagccacag	cacctgtgct	780
ttgctgtcag	gcaggagcag	gtgattcttc	agaactgcac	ggaggaaggc	ctggccatcc	840
accagcagca	ctgggacttc	caggaggtga	gtaatctgtt	caggaagagc	ctggtagtgc	900
tgtgtgtcag	aaggaactgc	tggttggcat	tggatcctgg	gctcttccaa	gaggtcagggt	960
attagggacc	tctgcctctg	cttttgaact	tagtggctgg	gcagtaaggc	ctcaggggga	1020
ggaaagggca	acccagcagc	aaagttggcc	cactggcatc	ttcatatgta	atgatttgcc	1080
aggtctctgt	gtagctctga	tgcttgtcat	tgcagagaga	gggatacacc	tctttttgaa	1140
gtttattcc						1149

<210> 4606
 <211> 943
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (85)...(587)
 <223> similar to gi6018317 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4606

caacgctgcc	tgccagcaa	cgaagacaag	gaggagtctc	cgctgtgcgc	cctggcgcg	60
tactgtctgc	gcgcgccctt	cggccgcaat	ctcatcttca	actcctgcgg	agagcagggc	120
ttcagaggct	gggaggtgga	gcatggcggg	aacggctggg	ccatagaaaa	gaacctaa	180
ccggtgcctg	gggctccttc	gcagacctgc	ttcgtgacct	ctttcgaatg	gtgctccaag	240
aggcagcttg	tggacctggt	gatggaagg	gtgtggcagg	agctgctgga	cagcgcccag	300
attgagatct	gtgtggctga	ctgggtgggg	gctcgagaga	actgcggctg	cgtctaccag	360
ctccgggtcc	gccttctgga	tgtgtatgaa	aaggaagtgg	tcaagttctc	agcctcacct	420

gacccggtcc	ttcagtggac	tgagaggggc	tgccgacagg	tctcccacgt	cttcaccaac	480
tttggcaagg	gcatccgcta	cgtatctttt	gagcagtacg	ggagagacgt	gagttcctgg	540
gtggggcact	acggcgccct	tgtgacccac	tccagtgtga	gggtcaggat	ccgtctgtcc	600
tagcgactgg	actactgcct	gacgtttgtca	gtcaagacca	gccttgcagc	caggtgcagt	660
ggctcacacc	tgtggaatcc	cagcacttca	ggaggccgag	gtgggaggat	cactggagct	720
cgggagttca	agaccagcct	gggcaacata	gtgaaaccgt	ctccacaaat	aattttttaa	780
aaattagcca	ggcatggtgg	tgccgcctgt	agtcccagct	actcaggagg	cttgggtggg	840
aggattgcct	gagaccagga	ggttgaggct	gcagtgagcc	gtgatttcac	caccactcca	900
gcctgggtga	gaaagcaaga	ccctatatca	atgaaaaaaa	aaa		943

<210> 4607
 <211> 1398
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(856)
 <223> similar to gi4038413 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4607	
tgtgtgcagt	ccccagtgcc
aggcttcgga	gtgtggccca
ctctggggag	tggatattcc
gacccagta	gaggcatgcg
acaaaatggt	attcccggtg
aagctatgcc	tcggtgggtc
aagattgtgg	agtaccgtga
gagattcctc	aactacagaa
gtgtttgctg	ttcagaataa
gtaactccca	ctcctggaac
ttctatcttc	ttgcccatca
gtttctcaaca	ccgcaaacct
cacatgtact	ggaattggcc
aagctagctt	tcctgtcagg
aacctgttct	tcctgtgact
cagaactcag	ctgtgactct
attttccctt	tctccaacct
caccaagaag	caagtttctg
gttacggtgg	tactgccact
tccagaccgg	gtgcggtggt
tggatcatga	ggtcaggaga
ctaaaataca	aaaaaattag
aggctaaggc	aggagaatcg
cgccactgca	ctccagcc
ctcccaggtt	gtcaatgttc
cttcagatta	actgtaaatt
tcgggatgga	tgtttaccat
caagcatcaa	tctcacctc
ggacagcctg	
tgaacctg	tctaccaaag
tgaagacagt	tgccaaactat
attatcagcc	caagatgggtg
tggctgctcc	tcagaacttt
caagctgtga	gtgggtggat
ttcctacgca	ttatgtctgt
ggctgacttt	caaactgtgc
ctccttgcaa	gtatgccac
cagccatcca	gctgtgcgag
ggtgagaaga	aaggcggcct
aagtgggctt	ttgtgttata
ttgtctttta	aacctaatat
tgtagagcaa	
cattaagacc	
ccgagggcgg	
cctggccaac	atggtgaaac
cccgtctcta	
gctactcagg	
gccgagatca	

<210> 4608
 <211> 1024
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1027)...(774)
 <223> similar to gi608694 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4608

tttttttttt	ttgagatcac	aggctttatt	cctacaacca	cagggcttga	gcctgactgg	60
ggcaagaaaa	cagagtttca	tctgagaatg	tctcttatgg	gctgggttct	gttcagggga	120
gggtgggaac	agaggacaag	gaagacaagc	tcctctggcc	ctaggaacaa	aacacattta	180
ctccttcaaa	gaagcagatg	atctgaatac	cctctggaga	ctgaatctgc	ccatacagcc	240
cctggagcca	atgggcagac	agtactggca	tctggcacia	aaggggaattc	agacccagaa	300
cagaagcagc	aaaatatatt	aaaaatagta	aattgttcct	ggactcacia	atcattgttt	360
ttaagggcaa	gtgcatgccc	aatataagta	ctggggcttc	ctaagagagc	tgacatagga	420
ttacacagct	gcctccctgc	ttcagtggag	gccctcacat	cccctttgaa	cacttaactt	480
gggtaggaga	ggtagccttt	tcgtctctgt	tctgggttct	gagagctctg	cagtctggag	540
gcacagcaga	ctgaggctga	cctgggccct	gtcctttctg	cctggcagtc	acaggatggt	600
gtctctacct	ggagacaaag	ctggtttccg	gtcccagaca	gctgggtcaag	ggagggtagt	660
gtgggtcaac	actggccctc	agcactcctg	agggggcaaa	gaggatgggc	aaagtttgga	720
gcaggaggaa	tcctaggtaa	aggtcaggat	catgttcaact	ggatggtcag	gcagcgggtg	780
ctgaagaggt	gactgatgac	agatgggtca	gccacagtag	acatgtcccc	gaggtcatgg	840
tcattctgag	caatcttccg	aagcactcgc	ctcatgattt	tccttgagcg	ggttttaggc	900
aagccaggtg	cattctggat	gtagtctggt	gtggcaatgg	ggccaatctt	ttctctaata	960
tgtttcttga	gctcctcggt	gagcttgggg	ctgaagggtg	ggccatcaca	caagggtgaca	1020
aagc						1024

<210> 4609
 <211> 696
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(181)
 <223> similar to gi452404 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4609

gatgacaaca	tggttcagag	actagaaaca	gacttcaaga	tgactcttca	gcagcagagc	60
accctggagc	agtgggctgc	gtggcttgac	aatgtgatga	tgcaagcact	gaaaccctat	120
gaaggaagac	ccagttttcc	taaagccgcc	aggcagtttc	tgctaaaatg	gtctttctac	180

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aggatcatc taggtttttc ctaggctttc ttcttcatat tctgcaaata tgtgtgtgta 240
tgtgtttgta tatgcttctg tgacaaaaga aaagaaagta ataaagactt tagtttgtgg 300
aaactccctg ttacaactac cttcaaccca actcagtgat tacaacacca tggaaatgta 360
ccaggaaact tagagaaata aactttctgc taggaaaaga aatctcttgc tcaaagccct 420
acatgtcctc agatgggaac gtctgagatt ccagtctaga taatgtgttc agcagtaatc 480
agaaaagggc aactgtcctc cctcttgcaa catacattat ttaggcttct ttcttgaggc 540
ctaactactag tctccttttt gttctctgtt tagtgatggt cagaatgtgg tccctaaacc 600
agtagcacca ctatcaattg gaaacatggt agaaatgcaa attcttagca cctcctccaa 660
atctacctgt atcagaacct gtagaggtaa ggccca 696

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<210> 4610
<211> 1799
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1800)...(1324)
<223> similar to gi31142 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

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<400> 4610
tttttttttt tttaggggca tattgataaa tctttattga caaaatattg acattgacat 60
acttcttgga agtatatagt gtgttagaat tctaacaaat taacacaaaa cacaaaaata 120
tttacattct ggtatagaag acattaagga agcatttgtc actctcttta gtaagtctat 180
gatcttgga tagaaactca gtgcttgaaa acttgccgcc gtgcgcttgg ccacacttaa 240
catcatcccc gctaactaca gtccctcagg ttttgcaata gatagattta aagtttgga 300
taggcattgc agtgaatggt tgaactcggc caatttctcc aaccactgaa aggagaagtt 360
tgcacagggg ttttaagcct caggatgtta ggaaagggaa tgtccaagaa atataattaa 420
tttaggggtt tttttccag tacaagtctt gattcttttt gtgggcaccc tccccgccca 480
ccccagccc ccgggtcgtc ctgctccccg tttctctgta agaggaccac tatcgctgag 540
cctacttcat ttagcttgca caatcacttt gacatcagaa ggtatcaaaa agtgtttaca 600
gactgcacat ttcttgga aaataatcaa aataaaaagc acacagaacc tgtctttaaa 660
aggaaaagaa aattacaatt cattttcggt ctttaaacac cattcgccca acaactgcta 720
catgcatttc aaggatttga aacaggtgtg ggatggggct agatatggaa tttttgtttt 780
ttattactaa ttatttttaa agatgggggg gaaacacagc gaagtgcaaa aaacaaaaaa 840
gtcctgtgcc tgggtgggtc gtgggtttta tcatcatcat cattttttta gtggactgtg 900
ataaacggaa tacctgcaa tcatcttgtc tccccggtt ggtgtttgat tgacagctcc 960
ccttgcaga gtgcacgttc agctttctct ctctctctct ctctctttct ctctctttct 1020
ctctctccct cctctttct cttctctct gtgtctctca ctacagctgcc tcttttagacg 1080
agggtcgctt gttgatgaag gagcctccat cctctgccat cttggcgcggt cctcggtttg 1140
ggaccctgtg ccctcgctgt ccagagtctt cgccgcattc cgctgctccc tccgattccc 1200
tctcccttct tcggtgaacg tgtatgcggt ttgtttttgt tttgtagggt tttttccttc 1260
tccacctctc cctgtctctt ttgctccatg ttgtcggttt ctgtgggggt aggtttatgt 1320
ttttaatcat ctgaggtcac gtctatttcc tccggactcg cctgcttgggt ggcgattctc 1380
caccgggtta tatggtgcgt ccttttttct ttttggtgcg aatctgagcc ttcttctctc 1440
agcttctgcc ttttgaactt tgttcttcgg ttctgaaacc atacttttac ctgagtttcc 1500
gtgaggctga ggctgtgtgc cagctgcttc ctttcggcgc ccaccacgta gtgattcttc 1560
tcaaaggcgt gttccagcct tagaagctgg gacggggaga aggcggttcg gatccgcttg 1620
ggctttcggg ccagcgcggt gtgcaaaagg aaactctcgg ggctagtgtc gttcccttgg 1680

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aagcgatgac	ccagatatcg	gtagcgggtg	atgagccagg	ggtagaaggt	ggacggatcc	1740
cgctgctgcg	aggcgaatag	ggggtgtggc	gagtgcgagg	agggtagggg	gtgggcggc	1799

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<210> 4611
<211> 2549
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(2552)
<223> similar to gi6002623 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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0049922.013100

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<400> 4611
cagctgcggg cgcttacctg cccccctgc agcagggtgt ccaggcacct cgccggcctg 60
gcattggcac tgtggggaaa ccaatcaagc tcctggccaa ttactttgag gtggacatcc 120
ctaagatcga cgtgtaccac tacgaggtgg acatcaagcc ggataagtgt ccccgtagag 180
tcaaccggga agtgggtgaa tacatggtcc agcatttcaa gcctcagatc tttggtgatc 240
gcaagcctgt gtatgatgga aagaagaaca ttacactgt cacagcactg cccattggca 300
acgaacgggt cgactttgag gtgacaatcc ctggggaagg gaaggatcga atctttaagg 360
tctccatcaa gtggctagcc attgtgagct ggcgaatgct gcatgaggcc ctggtcagcg 420
gccagatccc tgttcccttg gagtctgtgc aagccctgga tgtggccatg aggcacctgg 480
catccatgag gtacacccct gtggggccgt ccttcttctc accgcctgag ggctactacc 540
acccgctggg ggggtgggcgc gaagtctggt tcggctttca ccagtctgtg cgccctgcca 600
tgtggaagat gatgctcaac attgatgtct cagccactgc cttttataag gcacagccag 660
tgattgagtt catgtgtgag gtgctggaca tcaggaacat agatgagcag cccaagcccc 720
tcacggactc tcagcgcgtt cgcttcacca aggagatcaa gggcctgaag gtggaagtca 780
cccactgtgg acagatgaag aggaagtacc gcgtgtgtaa tgttaccgt cgccctgcta 840
gccatcagac attcccctta cagctggaga gtggacagac tgtggagtgc acagtggcac 900
agtatttcaa gcagaaatat aaccttcagc tcaagtatcc ccatctgccc tgcctacaag 960
ttggccagga acaaaagcat acctaccttc ccctagaggt ctgtaacatt gtggctgggc 1020
agcgctgtat taaaaagctg accgacaacc agacctcgac catgataaag gccacagcta 1080
gatccgctcc agacagacag gaggagatca gtcgcctgat gaagaatgcc agctacaact 1140
tagatcccta catccaggaa tttgggatca aagtgaagga tgacatgacg gaggtgacag 1200
ggcgagtgtt gccggcgccc atcttgacgt acggcgggcc gaaccgggcc attgccacac 1260
ccaatcaggg tgtctgggac atgcggggga aacagttcta caatgggatt gagatcaaag 1320
tctgggcat cgctgcttc gcaccccaaa aacagtgtcg agaagaggtg ctcaagaact 1380
tcacagacca gctgcggaag atttccaagg atgcggggat gcctatccag ggtcaacctt 1440
gtttctgcaa atatgcacag ggggcagaca gcgtggagcc tatgttccgg catctcaaga 1500
acacctactc agggctgcag ctcatatttg tcatcctgcc aggggaagacg ccggtgtatg 1560
ctgaggtgaa acgtgtcgga gatacactct tgggaatggc tacgcagtgt gtgcaggatg 1620
agaacgtggt caagacctca cctcagactc tgtccaacct ctgcctcaag atcaatgtca 1680
aacttggtgg cattaacaac atcctagtcc cacaccagcg ctctgccgtt tttcaacagc 1740
cagtgatatt cctgggagca gatgttacac acccccagc aggggatggg aaaaaacctt 1800
ctatcacagc agtggtaggc agtatggatg cccaccccag ccgatactgt gctactgtgc 1860
gggtacagcg accacggcaa gagatcattg aagacttgtc ctacatggtg cgtgagctcc 1920
tcatccaatt ctacaagtcc acccgtttca agcctaccgg catcatcttc taccgagatg 1980
gggtgcctga aggcagcta cccagatac tccactatga gctactggcc attcgtgatg 2040
cctgcatcaa actggaaaag gactaccagc ctgggatcac ttatattgtg gtgcagaaac 2100

```

```

gccatcacac cgccttttc tgtgctgaca agaagtagcg aattgggaag agtggtaaca 2160
tcccagctgg gaccacagtg gacaccaaca tccccaccc atttgagttt gacttctatc 2220
tgtgcagcca cgcaggcatc cagggcacca gccgaccatc ccattactat gttcttttggg 2280
atgacaaccg tttcacagca gatgagctcc agatcctgac gtaccagctg tgccacactt 2340
acgtacgatg cacacgctct gtctctatcc cagcacctgc ctactatgcc cgcctggtgg 2400
ctttccgggc acgataccac ctggtggaca aggagcatga cagtggagag gggagccaca 2460
tatcggggca gagcaatggg cgggaccccc aggccttggc caaagccgtg caggttcacc 2520
aggatactct ggcgaccatg tacttcgct 2549

```

```

<210> 4612
<211> 480
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (283)...(139)
<223> similar to gi3329390 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4612
cataattttt aatgagtcag caatattaag taaaatacac ctgttttatac taagatttttc 60
cagcaaatct tatataactg agaattatga agtataatgt tttaaaatat tttcttaaaa 120
acaaacaaaa tttcaatcca tggaaacaac tggctccaaa agtttatctc cagggacatc 180
catccatgtc atttcaatgg caccagggtc acctggagag caagggtgta gcagatcatc 240
tacaagatgg ttaggatcag ctcggggaagg tccgcgaacc tgaaataaac agtaatctga 300
aatatgtatt tgaaacaaaa ttgaacatta agacttaatc cattaccagg aaagttaaaa 360
tgtataataa ttttgtatgt tttattagaa tgtttacttt tggaaaaaaa attaagaata 420
tacaacaaaa agtagttatc ccctgggtaa tgggatagat tttggttgct ttttagttttt 480

```

```

<210> 4613
<211> 2477
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2478)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (10)...(1317)
<223> similar to gi5006248 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 4613

cgctcgaccca	cgcggtccgat	cttaacagac	gagttgttta	aaagaactat	ccaactgcct	60
cacttgaaaa	ctctcathtt	gaatggcaat	aaactggaga	cactttcttt	agtaagttgc	120
tttgctaaca	acacaccctt	ggaacacttg	gatctgagtc	aaaatctatt	acaacataaa	180
aatgatgaaa	attgctcatg	gccagaaact	gtggtcaata	tgaatctgtc	atacaataaa	240
ttgtctgatt	ctgtcttcag	gtgcttgccc	aaaagtattc	aaatacttga	cctaaataat	300
aaccaaattc	aaactgtacc	taaagagact	attcatctga	tggccttacg	agaactaaat	360
attgcattta	atthttctaac	tgatctccct	ggatgcagtc	atthtcagtag	actthtcagtt	420
ctgaacattg	aaatgaactt	cattctcagc	ccatctctgg	atthttgttca	gagctgccag	480
gaagttaaaa	ctctaaatgc	gggaagaaat	ccattccggt	gtacctgtga	attaaaaaat	540
ttcattcagc	ttgaaacata	ttcagagggt	atgatgggtg	gatggtcaga	ttcatacacc	600
tgtgaatacc	ctthtaaacct	aaggggaact	aggttaaaaag	acgttcatct	ccacgaatta	660
tcttgcaaca	cagctctgtt	gattgtcacc	attgtgggtta	ttatgctagt	tctgggggttg	720
gctgtggcct	tctgctgtct	ccactttgat	ctgccctggg	atctcaggat	gctagggtcaa	780
tgcacacaaa	catggcacag	ggttaggaaa	acaaccaag	aacaactcaa	gagaaatgtc	840
cgattccacg	cattttattt	atacagtga	catgattctc	tgtgggtgaa	gaatgaattg	900
atccccaatc	tagagaagga	agatgggtct	atcttgattt	gcctttatga	aagctacttt	960
gaccttgga	aaagcattag	tgaataatatt	gtaagcttca	ttgagaaaag	ctataagtcc	1020
atctttgttt	tgtctcccaa	ctttgtccag	aatgagtggg	gccattatga	attctacttt	1080
gcccaccaca	atctcttcca	tgaataattct	gatcatataa	ttcttatctt	actggaaccc	1140
attccattct	attgcattcc	caccagggtat	cataaactga	aagctctcct	ggaaaaaaa	1200
gcatacttgg	aatggcccaa	ggataggcgt	aatgtggggc	ttttctgggg	aaaccttcga	1260
gctgctatta	atgttaatgt	attagccacc	agagaaatgt	atgaactgca	gacattcaca	1320
gagttaaatg	aagagtctcg	aggttctaca	atctctctga	tgagaacaga	ttgtctataa	1380
aatcccacag	tccttgggaa	gttggggacc	acatacactg	ttgggatgta	cattgatata	1440
acctttatga	tggcaatttg	acaatattha	ttaaaataaa	aaatgggttat	tcctttcata	1500
tcagtttcta	gaaggatttc	taagaatgta	tcctatagaa	acaccttcac	aagtttataa	1560
gggcttatgg	aaaagggtgt	catcccagga	ttgtttataa	tcataaaaaa	tgtggccagg	1620
tgcagtggct	cactcttgta	atcccagcac	tatgggaggc	caagggtggg	gaaccacga	1680
gggtcaagaga	tggagaccat	cctggccaac	atgggtgaaac	cctgtctcta	ctaaaaatac	1740
aaaaattagc	tgggcgtgat	gggtgcacgc	tgtagtccca	gctacttggg	aggctgaggc	1800
aggagaatcg	cttgaaccgc	ggaggtggca	gttgtagtga	gctgagatcg	agccactgca	1860
ctccagcctg	gtgacagagc	gagactccat	ctcaaaaaaa	agaaaaaaa	aaaaggaaaa	1920
aatgggaaaa	cttctctctg	gccccaaaat	agggtctaata	tcaataaatt	atagcccttt	1980
aaggtaatat	aatattactg	gcccctaaaa	aaaataggga	agctgtttat	ttccgggttg	2040
ggaaaaacca	tattaatatg	ttttaacctt	ttaggtgggg	gcaaaaactaa	tgggggtttt	2100
tgccattgaa	agggctttga	aataaaaggg	taaagaaatt	tatcccaaat	gtagtaccag	2160
gggttggggg	ctgggagggt	ggattacggg	gagcattgga	tttctatgtg	gggaatttct	2220
ataagggttg	aatggttaaa	aaggaaatctg	tatttttttt	ataagtagaa	aaaaaataag	2280
gatgggtttt	acagcctaca	cttcctaaaa	aaaaagggat	ttttttttta	ggggcccccgg	2340
gttttttccc	tttggggggg	gggaatttaa	ttttggggcg	ggccggggctt	tttaacaccg	2400
ggggcagggg	gaaaaacccg	gggggggtccc	ccctttaatg	cccttgggga	caaaaaaana	2460
naccattgtg	ccggagg					2477

<210> 4614

<211> 1297

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (82)...(1100)
 <223> similar to gi1136501 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4614

```

ccccgcgctc cgcccacgcg tccgcccacg cgtccgcttc tgaccccgctc ttggacttca      60
actgggagaa tgtggagcca tttgaacagg ctccctcttct ggagcatatt ttcttctgtc      120
acttgtagaa aagctgtatt ggattgtgag gcaatgaaaa caaatgaatt cccttctcca      180
tgtttggaact caaagactaa ggtgggttatg aagggtcaaa atgtatctat gttttgttcc      240
cataagaaca aatcactgca gatcacctat tcattgtttc gacgtaagac acacctggga      300
accaggatg gaaaagggtga acctgcgatt tttaacctaa gcatcacaga agcccatgaa      360
tcaggccctt acaaatgcaa agcccaagtt accagctgtt caaaatacag tcgtgacttc      420
agcttcacga ttgtcgaccc ggtgacttcc ccagtgtgta acattatggg cattcaaaca      480
gaaacagacc gacatataac attacattgc ctctcagtca atggctcgct gcccatcaat      540
tacactttct ttgaaaacca tgttgccata tcaccagcta tttccaagta tgacagggag      600
cctgctgaat ttaacttaac caagaagaat cctggagaag aggaagagta taggtgtgaa      660
gctaaaaaca gattgcctaa ctatgcaaca tacagtcacc ctgtcaccat gccctcaaca      720
ggcggagaca gctgtccttt ctgtctgaag ctactacttc cagggttatt actgttgctg      780
gtgggtgataa tcctaattct ggcttttttg gtactgcca aatacaaac aagaaaagct      840
atgagaaata atgtgcccag ggaccgtgga gacacagcca tggaagttgg aatctatgca      900
aatatccttg aaaaacaagc aaaggaggaa tctgtgccag aagtgggatc caggccgtgt      960
gtttccacag cccaagatga ggccaaacac tcccaggagc tacagtatgc ccccccggtg     1020
ttccaggagg tggcaccaag agagcaagaa gcctgtgatt cttataaatc tggatatgtc     1080
tattctgaac tcaacttctg aaatttacag aaacaaacta catctcagga tggagtctca     1140
ctctgttgcc caggctggag ttcggtggcg cgatcttggc tcacttcaat ctccatcttc     1200
ccagttcaag cgattctcat gcctcgacct cccgagtagc tgggaattac aggtgcccgc     1260
taccacgccc agctaatttt tggattttta gtagagc                                1297

```

<210> 4615
 <211> 889
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (892)...(330)
 <223> similar to gi3820982 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4615

```

tttttttttt ttcaaagagg aaaaaagcac gtttgttgtt ggtaggcggg cgtgaatggg      60
agggttcttc accttctcca acacctcgta tagatgggac gttgcagggc aatagaaaag     120
gcagcagatg ggggcgtgtt ttgccccact ctgtacaata tagaagaatc tcatatagat     180
actttgtata aaagccacgt gtccctcatt gtgtcctctt attggctggc tgggctgggg     240
gtactggggg acaaagaagc tgggggtgata gaccaggaca cagggaatac ccatgggtccc     300
cttccctctg ctgtcccctg gtgggggtcac tttggatcct tgggtgggagc atagcacagc     360

```


tcagcctcca	ggaccctgct	ggttttgcct	tgctagccct	gaagtggaaa	aacatttggt	1500
ggtcaacatc	ggcacacatt	gctaccttgc	cctggccaaa	ggaggcttat	ctgatgacca	1560
tgctctcatc	ctgcctattg	gacactacca	gtcagtgggtg	gagctttcag	cagaggtggt	1620
agaagagggtg	gagaagtata	aggccactct	gagacggttc	tttaagagtc	gagggaaatg	1680
gtgtgttgta	tttgagagaa	attataagag	ccatcacctc	cagctacagg	tcattcctgt	1740
cccaatcagc	tgctctacta	ctgatgacat	taaagatgcc	ttcattaccc	aggcacagga	1800
gcagcagata	gagctgttgg	aaatcccaga	gcactctgac	atcaagcaga	ttgcacagcc	1860
aggagcagca	tatttttatg	ttgaaacttga	cacaggagaa	aagcttttcc	acagaattaa	1920
aaagaatttt	cctttgcagt	ttggaaggga	ggtcctggcc	agtgaagcca	tccttaatgt	1980
tcctgataag	tctgactgga	ggcagtgtca	gatcagcaag	gaagacgagg	agaccctggc	2040
tcgccgcttc	cggaaagact	ttgagcccta	tgactttact	ctggatgact	aaaacaaagg	2100
gaagaacttt	ttatgaactc	cacaggaagt	agtaaagctt	tttttttttt	ttaattaaaa	2160
aaattttttt	tgagacaaag	tctcgctctg	tcacccaagc	aggattgcag	tgagccaaga	2220
tcgctccatt	gcaacccaac	ctggggttgaa	cagtgaact	ccatctcaaa	aataaaagaa	2280
taaaagtatg	tctgtcatcc	agctcctatg	tctgttatcc	agctccaagt	acagcttggtg	2340
tatatcaaca	ttttcaaaaa	cctttaaact	accaaataag	atccagatgt	ttttccatgg	2400
tta						2403

```

<210> 4619
<211> 479
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(317)
<223> similar to gi291986 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 4619	
gtcccagggtc	tcgaaaacca aagaagaaga acccgaacaa agaggacaag cggccgcgca 60
cggcctttac	cgccgagcag ctgcagaggc tcaaggccga gttccagacc aacaggtagc 120
tgacggagca	gcggcgccag agcctggcgc aggagctgag cctcaacgag tcacagatca 180
agattttggtt	ccagaacaag cgcgccaaga tcaagaaggc cacgggcaac aagaacacgc 240
tggccgtgca	cctcatggca cagggcctgt acaaccactc caccacagcc aaggagggca 300
agtcggacag	cgagtagggc ggggggcatg gagggcaggc ctcagtccgc gctaaacaat 360
gcaataattt	aaaatcataa agggccagtg tataaagatt ataccagcat taatagttaa 420
aattattgtgt	attagctaag gttctgaaat attctatgta tatatcattt acagggtgat 479

```

<210> 4620
<211> 943
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

<222> (1)...(227)
 <223> similar to gi34031 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4620

```
gtgagcaaga ccggcgaggc ggagaccatc accagccact acttgtttgc gctaggcggt 60
taccgcacgc tctatctctt caactggatc tggcgctacc atttcgaggg cttcttcgac 120
ctcatcgcca ttgtggcagg cctggtccag acagtccctc actgcgattt cttctacctc 180
tatatcacca aagtcctaaa ggggaagaag ttgagtttgc cggcatagcc ccggtcctct 240
ccatctctct cctcggcagc agcgggaggc agaggaaggc ggcagaagat gaagagcttt 300
cccatccagg ggtgactttt ttaagaaccc acctcttggt cccccatcc cgcctcctgc 360
cgggtttcag ggggacagtg gaggatccag gtcttgggga gctcaggact tgggctgttt 420
gtagtttttt gccttttaga caagaaaaaa aaatctttcc actctttagt ttttgattct 480
gatgactcgt ttttcttcta ctctgtggcc ccaattttta taaagtgttt ttgagtgtcc 540
tatgggccgg ggcagggtcc aagatctttt cccttcccca ggcccctcgg ctccctccca 600
gatccacccc ccagcccac tggttgccaa aactaaatc tgccgacacc catctgcccc 660
acctcctgcc atggccatga accgcgaccc cactaaatt tctagattgg ggataggagg 720
aaagggaggc ccaggaaggt ctcccctgat ttttttcat agtaattttt tccccagag 780
tttgaatttt ttggtcttct cctggttttt tggcaaatta ggggggcccg gggctcaagt 840
gcgggaaggg ggctggcccg aggatcccat ggctctcaca ccatgttttt gtacagaact 900
gatggttgaa tctttgttct cttgaaataa acagaagaaa atg 943
```

<210> 4621

<211> 666

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (72)...(498)

<223> similar to gi2950170 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4621

```
ccgacttcca tctcatggac cctccagcgg agaagccggg agaggctggc ggactgcaga 60
tcacacccca gctgctgaag tcacgcacag gcgagttctc cctggagtcc atcctgctac 120
tgaagctgcg tggcttgagg ctggctgacc tgggctgcct gggagagtgc ctgggcctgg 180
agtggctgga cctatcaggc aacgcgctca cccacctggg ccgctggcc tccttgcgcc 240
agctagccgt gctcaatgtc tccaacaatc ggctgacggg cctggagcca ctggccacct 300
gtgagaactt gcagagtctc aatgccgcag gcaacctact ggccaccccg ggccagctgc 360
agtgtctggc tgggctaccg tgccctggagt acctgaggct ccgagacct ttggcccggc 420
tcagcaaccc gctctgtgcc agcccctcct actgggctgc agtccgggag ctgctgctg 480
gctgaaagt catcgacggg gagcgtgtga ttgggcgtgg tagtgagttc taccagctgt 540
gccgagacct ggacagctct ttgcgtccca gctccagtcc agggcccaga gccaccgagg 600
cccagcccat gatggagcca ggctatactg aggtctgcct caggcggagc agcttcatcc 660
ctggag 666
```


<210> 4622
 <211> 569
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(192)
 <223> similar to gil710216 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4622
 tttttttttt ttgaagagag acggacaggc tctcactctg taggccaccc taggatggaa 60
 tacagtgggtg tgtctatggc tcaactgcagc ctcaacctcc tgggctcaag caattctcct 120
 tcttcagcct cccaagatgc taggactaca ggtgcatgtc aacatgccc gctaattgggt 180
 tttttttttt tttgtagaga cagcatctcc ccagggttacc catgctgggtc caaacacctg 240
 gtctcaagaa atcctttctgc tgtgacctcc caaagtgcta ggattaaaac atgacctacc 300
 atgctcagag tccatttttca tttctgattt gagtaatttt aaacttttct ctttttttct 360
 tagtcaatct agttaatggg tgtcaatttt gttgatttta ttttgaagaa tcaacttttg 420
 gtttcattaa tttcctctat tctttttcca ttctccattt tatttatgtc cactctaate 480
 cttattatct ccttcattca ctgtgcttgg gtttagtttg ttcttctttc atatactgaa 540
 gtattaaagt aggttggtga cctgaaaaa 569

<210> 4623
 <211> 2797
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2800)...(1608)
 <223> similar to gil931647 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4623
 tttttttttt tttctcttac aaaactgtaa cttttatttg ttgatccaac agtacgttaa 60
 ccacttttac cccatcccca ctttacacgg tacaccaacc tgaacagatt ttgtgccaca 120
 atttcattca aagggtttgt cattcacttt atgattgtgc tggataatct agatgtaagc 180
 aactctggag attttaaaat atgggtcccc tggatgaaa gtaggcatag tttatagcat 240
 acttttaaaa atggcattcg gtaattttgc cttctggaca gaaagatatc ttcaaattgc 300
 aaacacatct atttccacaa aacaatttgg tcaggaaatt ttatttgaac attctaaagc 360
 aataatgctt ttagatgtta cttaagtgtc ccagacagga ttaacaaaat taagtgtctc 420
 taaattacaa atttggctcc tgtaggagtc tcagaaaata aacagaagaa aacaaccccc 480

ctccccgaag	aagtatgaca	cacacatttt	gaagaaaccc	caatgtttca	tgcaatggta	540
ggcaagatgt	aaaagcccac	ccaaatcaca	cattttctaca	ccaatcatca	taagaaaaaa	600
gtactctgta	gtcgatctgt	acatccaaat	gcatttgggga	atctacacct	acgttacatt	660
atttaatggt	atatacat	attaccacc	ccccttggtt	ttaataattt	cttatgtaaa	720
accttcattc	aaacccaaaa	gatttaagac	taacttgggg	ggaaaaaaga	taatcacttt	780
agacattcag	ttaaaatgta	gtttatctaa	atctcaaaat	gtttaataaaa	aacaagtatc	840
ttctccattt	aacactttgc	tttctaactg	tacagtaa	atgcatgtag	agagtacact	900
tctgtcttca	aactgtatct	tctttggatg	gaattaagat	gtaactgtat	agttttaaga	960
taaataaatg	ggaagtgtgt	ccaactaaga	tgacagcaga	tatattacat	gcaggattta	1020
atattttcta	attctctctt	ttaaaaaaa	ggatgctgtt	ggattgggaa	aaaaaaaaag	1080
tcaaaaaaga	accagattc	aatatataaa	aatgtccac	aataggtcga	caatggcagt	1140
aaaaataaga	ggaaaaaagt	aatctttctg	gaacatcatt	tttcaataac	atagaaacac	1200
taagtgccag	gaagattcct	attcatgtaa	ttttagcatc	caagtttccc	tctattttatt	1260
ttattggaac	aaatgcttta	aataaactat	ttgtcctctt	cactgaagag	agctgggtcta	1320
tttcatcttt	aatgagctag	tttttgggaa	gattagccat	gtactgtagt	aatgcctact	1380
gcataaaatc	caagcatttg	ctgtgaacag	ttggagaaag	cagtcaggaa	gaacctagga	1440
tcaatggaaa	tagatgttac	tttaagccac	cgacgaaaga	gagaccacac	aagtaccacg	1500
tgtgttaaag	cccaaatctc	ttcttgctgt	tggttggttt	tgctgtgcaa	gttccacccc	1560
tatgaaaaag	aaattgatcc	aaagttccag	gttttcttgg	gtctctagtc	aattttcaca	1620
ttagtataga	tttttcggac	aaaggcactt	gttcccatgt	aaccaatcgc	tccacacatt	1680
atccccaagg	ctgtgctaaa	taccgccata	tatccaaagt	aaaatgatgt	ttgaaataag	1740
ccatacatct	ttgttttgaa	aaaatagtag	taaaaggaat	acatgtaaac	atagattgca	1800
gttgatgcag	cagagagaaa	acttgtccat	tgccaccggt	aatcttctgc	atttagtaga	1860
aaatatgtgc	acacaatagt	cacacagaca	gtcacaatgc	acaggataac	cagcaccagc	1920
atcatgaagc	catagacata	atagatctta	tatgcccaga	aagacgtgaa	gatgaaatac	1980
atttcaataa	agattgaacc	aaaaggtaaa	attccaccca	ggcaaacaat	aaccgcaggc	2040
tccatgaacc	attttttctc	cggtatagga	cgaggcacag	cattgacacg	acaaggaaaag	2100
ttgggctgac	ctgacagatt	tcggccaagt	attgtacca	caagatttag	aggaagaata	2160
acaaaaaac	agatgcaaca	aacggccacc	attgttccaa	aagggaatggc	tcttgaagca	2220
tggtataaaa	tggctatgaa	attgatgaag	aaggcagtg	cacacacat	agctgggata	2280
aggaatgccc	caataaacat	ctgctttatc	catctccttc	ctccttgtct	agcatacaga	2340
cttctcccaa	aataaccatt	cactggagac	gtagcagcat	agacaaatat	ggctgtactg	2400
agcattgata	ccctctcagt	atataaatct	tctatcattg	caacaataat	aacgatgaga	2460
gacacagcaa	atatctgaca	tccagaacca	atcagagagg	aaaatatcag	tgggtgactt	2520
gatggtctaa	atacatctcc	atgcacctgt	ttccatccat	attcatctcc	taggtctcta	2580
tccatatcat	ccatttcttc	ctctttactg	taccgagcat	aatcttttct	taatgttctc	2640
attaaaatca	ttggggctaa	gccaccaaag	aagatcacca	tcatgaagta	gttgaagatt	2700
gatagccaat	gaatctgatg	ttgaaaaaag	gtcggatcaa	catatttgtc	gattcgatct	2760
tcggattttct	catttgactt	tttccatttg	aacgaaa			2797

<210> 4624

<211> 2112

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (9)...(516)

<223> similar to gi4007773 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

<400> 4624
tttcgtatga tgatcataat ggacacatag atttcatcac agctgcatca aatcttcgtg      60
ccaaaatgta cagcattgaa ccagctgacc gtttcaaaac aaagcgcata gctggtaaaa     120
ttatacctgc tatagcaaca accactgcta cagtttctgg cttgggttgcc ttggagatga     180
tcaaagtaac tgggtggctat ccatttgaag cttacaaaaa ttgggtttctt aacttagcca     240
ttccaattgt agtatattaca gagacaactg aagtaaggaa aactaaaatc agaaatggaa     300
tatcattttac aatttgggat cgatggaccg tacatggaaa agaagatttc accctcttgg     360
atttcataaa tgcagtcaaa gagaagtatg gaattgagcc aacaatggtg gtacagggag     420
tcaaaatgct ttatgttcct gtaatgcctg gtcatgcaaa aagattgaag ttaacaatgc     480
ataaacttgt aaaacctact actgaaaaga aatatgtgga tcttactgtg tcatttgctc     540
cagacattga tggagatgaa gatttgccgg gacctccagt aagatactac ttcagtcattg     600
acactgatta atacaagtgt tcttaacggt actccaggac cacttgattt tggaaagagt     660
gcacttaatt cagaagctaa agaaaatcag ttcataatac tatggatttc tctttcatta     720
agccttaatt ttaagggaaa catcagtaag aaactgcact gaagaattat aaaacatttt     780
ggggcatagc atacacttgt ctaacggttc acacgtggct attatcacia gcaactttga     840
actggaatgc tatttacaaa agtttttgtt attaatctgt gtattaatct ctctggataa     900
aaagaaggaa aaaatatgta tgaccagaat agatatggat gaagaaattg aaagcaacga     960
atgcaactat tcaaaaagtt taattttatg aattttcttt ttgttttagtc ttgaagactg    1020
attttctatg caaatagtgt ttggcatcct gcacctctga tatgatttgg ctttgagaat    1080
ttaataccac tgggaagaag tatggtagtgt gtggatgaag ggtggatatt ttaaattgtg    1140
cagttacagt ttactgtcct attacctctg ctcgtttaac cagtttggtt tatcactgtg    1200
tccccaaaat caggattttt gttgatagca tcagtgttgt aggagcaata ggtcagatga    1260
gacatatata cttagactaa acgtgaacag tattatatgg actctcacia cgctcttaga    1320
gaatccgtga atgtgaacag acaaatgttg ctaaccattt gattcttcag tatgccttct    1380
aatgtggcta ttttatttat gtgagactct aaacctgatt gtcctaatat ataaaactaa    1440
aagattttgt aaaggagtg tcttttagaa tagatgaaat gtagaatgtt aaaaattatt    1500
gctagggtag tctttttttt ttccagaaac ctaattaggg tattaaattt tgggtttttt    1560
ttgttttttt ttttaaaaca aaccatgtta tttctttccc attcccaaaa ggggagttaa    1620
tgaaaataaa aatttatttt ttaagggtctt tattgaaaaa aactttgttt tctgatatga    1680
actattgcaa aggtttttat aaatactttc tcttttatta ctaagactgt catgcattct    1740
actgtaaact cagtgaaaat agtaaatgat tcttttatta ctaagactgt catgcattct    1800
gaagcagttg gctttttttt aaccatagga agtaatttcc ctctagctcc tttccttcta    1860
ctctcctgct cagaccatta gtaggtactt tgttaaataa aaaactagat taacatcaat    1920
attactccaa tttggtatct ttacactat gtattatacc tactttcttt ttatttcatt    1980
tacaaatagt ttaaattact ttatcaacca gctgtattgt ttccctcttg taaaagtacc    2040
atcaagtggg gaaaatgtat gtggaagtgg agagtgaatt tgtatgacta aaggataatc    2100
tgtacatggg ga                                     2112

```

<210> 4625

<211> 1513

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (388)...(596)

<223> similar to gi5911988 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400>	4625						
ctttttttttt	tatcattgat	aggactaaac	tgtcttcaac	ttactaactg	gagtttcttt		60
accagcagtg	tcagagcagtg	gagaactaca	gaaggcgagg	aggagacaga	gagcaggtaa		120
cggggcttta	ccgtgacagc	agtgcgttcc	cctgctccac	actcccactg	actcagtcct		180
gccaatgcc	ctatcaaggt	ccttgcaaaa	atctggtttt	cttttgctctg	gaaagggctg		240
gttttctcct	ctgaaactga	accccaactg	ttggccctat	ttaaatctca	ggtcttggat		300
ttcttactta	cataagcagg	ggcttaggta	atagagtggg	ttgtgcctgt	ggagcctccc		360
aatcagctct	caacctcctc	tgttggcagg	gtccccggca	gcacacggcc	acagcgctcc		420
ttcctctcaa	gggtgggtccg	ggcagcccta	cccctgcagc	tgctcctcct	gctgctgctg		480
ctcctggcct	gctgctgcc	ctcctccgaa	gaagactaca	gctgcactca	ggccaacaac		540
tttgcccggt	ccttttacc	catgctgagg	tacaccaatg	ggccaccccc	cacatagagg		600
gcatagctgg	ccacagtgct	acaccacctg	cctgattgcc	aaggggtgcc	agcacgtggc		660
cccagaccaa	tctgagtgac	ttagtgttgg	caaggtcccg	ggacctgtgc	agacttcttc		720
tgggcttacc	cagcacgggc	tccctggagc	ccagggcagc	tttcagattg	tgttcctccc		780
caggagcagg	gaacctgtgt	ggcagggtgcc	ccgggtat	ttggcagaact	agttgattag		840
tttagggatc	tctggaaatg	tcagtttctc	gaagagccaa	gcactttgtg	aattctgggt		900
tgtttgtaaa	acagcattat	tataatgtag	gtatgggtcaa	tgagcagtg	tgtccatcac		960
atatattata	gaagcaagcg	aggacattcc	accctagaaa	tgggttcagaa	actcataggc		1020
acccttagct	gatggaaaca	atcaatcata	tttaatacgc	ttagaatcag	ttttactcca		1080
atcagctggc	aattttgagc	tgccgggttat	acacccaaa	gttctgttca	gtacctagct		1140
ctgctctttt	atattgcttt	aaatttttaa	agaaattgta	ttgcatggat	gtggttat		1200
gtgcataatt	tttaacaatg	cccaatctgt	atgaataatg	taaaacttga	ttttttttta		1260
aaaaaattag	attttagctg	gagcttttga	ctaattgtaa	gtaaatgcc	aactaccgac		1320
ttgataggga	tgtttttgta	agttaatttt	ctaagacttt	ttcacatcca	aagtgatgct		1380
ttgctttggg	ttttaactgt	ttggccacgg	cgggggtggg	ggcggggggg	tggtacaaaa		1440
acttgaagct	gtttgtgata	tgtacaactc	agatgtttct	cattaaaaaa	caaaattagc		1500
cagaaaaaaa	aaa						1513

```
<210> 4626
<211> 1085
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(1086)
<223> n = a,t,c or g
```

```
<220>
<221> misc_feature
<222> (891)...(637)
<223> similar to gil80950 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	4626					
tttttttttat	aggtggagaa	attcaggtct	aatcaacact	tctttattga	agagaccacc	60
cctgtgtata	gactttggag	tggccctggg	ggagataagt	gtgggtggga	gagaagatcc	120
caaaactacca	aaagtttgct	ccatgtcaca	acctgcccta	ggcctccagg	ccaatgtgaa	180
cagacaggca	caaggttgag	caggatggat	ggtaaattgcc	aagctgggtg	cagtgcagg	240
ggcagtgcca	gtctgggtcg	acctcccata	aagaagggat	tcacaaggag	acattggaag	300

```

gttgggagga ttttgaagaa ggggaaaaaa aagaggtttt ccctgaggct ggaaaagctg 360
agccacagtg tgggtttttga cagggcctgg cctaaactgg atgtccacag ttgaagtaga 420
ggggcatcat gggatgtcag gctggaaagg gcagtgcagg tcccacacaa caggcaaaag 480
ctctagcttt ggcctggagg cagcagggag ctccctgcagt tctaaactgg ggtgggtaga 540
actcttgccc ccaggtatgt ccatggctag tctccccagg gcctggatgg tgggggcaaa 600
cccctctttg gctccttcct gcatagccac ccttagaatt gcctctgctt ctcaggtctt 660
tgagactggt acagactcat ccaaaaagcc atcttcttct ccttgagctt catgcccact 720
cttgtggtaa aatccagctg caggtacttt tcatccttgt tgtagcgtgg ccagcagggc 780
agattcccat cattgggggt tctgtgcgg gcaaagtggg ccagtatatt catcatctgg 840
aggctaagtg ccttctcctt acccatggaa aggcctgggg gcagaatggg atgtgggatt 900
tcggacagag caggggacac tgacctccca cctactcct gctgcttctg ctgcttccgg 960
agcagaagac tttcatttgg gagagcataa cagattagga actggtgagc tccctgtggc 1020
cagccaatgg aggggtgggt cgaattccac cacactgcac tagggtcagc gaactcaagn 1080
gcgcg 1085

```

```

<210> 4627
<211> 1061
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (781)...(563)
<223> similar to gi4106984 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4627
tttttttttt ttgctgttca cccaatgata ttttattatc aggtatcctg gctggcccag 60
gacccagaga cagacaagct ggggccaagc agggcggagc atctgagacc cattttacag 120
gtaagaaaga caaggagcag aggcctgcat gaaactgcag taagcagcag gcgccagggg 180
gccaacccc actggaatcg cctgcccctgc cctgagcctg gccacagtg gctgccacat 240
ttcagacagg gcagtgagtg atgggatgtg ccttttgccc cctctggtag ggcgtggggc 300
tgggggaagg agcaggacag taacatccgt gctgctgggt gggacccaga agtggctggg 360
acatgggggc tgctttcttc tgtgtagagg cctccctaca aggctcccc ctcccccgac 420
cctttaccta gggcctgcca gaaaacactt ctcatgtgta aggggacaga actaatgggg 480
gacagtggag gacatggatc taccgccatt cctgagtcac acgactcacc cagagtcacg 540
gccagactg ggcctggggg catggcgcca ggttgcccc ctggcctgtc cacagctctc 600
ggagctcgac atgacaaccc aggtcccga gggcgccctt ggccacgtcc tcacagtcac 660
ggtgggcaga tcgggcctgc atgatgagtg cctcagcccc caggctccagg atgggcttcg 720
agaaggcctg gccgtgggac accaggtttc ggatcagcat gcaagcctgt ttctgtagga 780
gagagcagct gtgagctgcc agatggggct ttgaggtggg gtccactctg acctcaggg 840
cttcatcata acaagatgga ggtgatcata accacagctg acatccagca gctgcctata 900
ctgtatcaag ctgaccccat ctctctactt taccctcttg gcagccccac aaggcatggc 960
taactccag gcaaggaaac aggtcaggg aagctccaag atctatccta tggcttttga 1020
actctcagcc tcagagttgg tgagcctgag gtcccacgaa a 1061

```

<210> 4628
 <211> 1096
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (7)...(581)
 <223> similar to gi5689736 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4628
 tttcgtccca ctccatctct cccggccagt tggaagtact cctccaatgt ccgagcacct 60
 cctcctgtgg cctataatcc tatccactcg ccgtcttacc cactggctgc tctcaagtct 120
 cagccatcag ctgcacagcc ctccaaaatg ggcaagaaaa agggaaagaa acccctcaat 180
 gcattagatg tcatgaagca ccaaccgtat cagctcaatg catccttggt tactttccaa 240
 cctccagatg caaaggatgg cctccccag aagtcacag tcaagggtcaa ttcagccctg 300
 gccatgaagc aagctcttcc tccccggcca gtgaatgctg cctcacctac gaatgtgcag 360
 gcttcgtcag tgtactcggg accagcctat acctctctc ctcccttctt tgcagaggcc 420
 tcctcaccag tcagtgcac cccagtgcct gtgggcattc ccacctcgcc aaagcaagaa 480
 tcagcctcat catcttattt tgtggcacca aggccaaagt tctcagccaa gaaaagtggg 540
 gtcacaattc aggtgtggaa accatctggt gtggaagagt aatcttgtag ctgaagctga 600
 gtgtccactt tgcttgaaat gaattgtttg cagtgtttct tgagtccctg agaatgccta 660
 gcaaagtcct caacttactt aatttccagat atgtcacctc ctaatctggg tccaaggagt 720
 ataataattt taatgagtca aaaatccaac tcagattgac ctaaaatata tttatcttct 780
 ttgcacactt aaaaaatcca ggagcaccac aaaatagaca tgtaccgtta tattaagtaa 840
 gcaggagact taggatttgt gctgtagcca caagaaagac agtgatcagt gatatcaaac 900
 atcaggaatc agcctttatg taacataaca gctgtccttc tatggtgaaa ggttcaaagt 960
 tagtgaagggt ataacctata ttgactgaga tttccctttt aggtagtgcc ttatctctat 1020
 tactagtgtt aaaggaataa ggaatctatg aaggacaggg agcagctctg gtctgtcaat 1080
 ctcagccacc tgtttg 1096

<210> 4629
 <211> 1490
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (34)...(696)
 <223> similar to gi4138215 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4629
 aactcctgca tcatggaaaa tgggcaccag ccgggggcag agaagaattc ctctttcacg 60
 tgggtctgtg caagctctgg ctacggggca gtgacagcaa gaaacacag caatagccca 120
 ccgctggtga caccaccca gtcgcccgtg tccccgcagc cgccagccat aactcaggtc 180

```

catcggcagg gggagcgtcg cagggagctg gtgaggctcg agacgctgcc ccgcacctcg 240
gagggcgagg cccggaaagc attgtttgag aagtgggagc aggaaacggc ggccggcaag 300
gggaaaggcg agggccgggc caggctgaag cggtcgcaga gcttcggcgt ggccagcgcc 360
agcagcatca agcagatcct gctcagtggt tgccgcagca agacgctggg ctaccagcac 420
gtggacctgc agaacttctc ctccagctgg agcgacggca tggccttctg cgccctggta 480
cactccttct tccccgatgc ctttgactac aactccctga gccccacgca gaggcagaag 540
aacttcgagc tggctttcac catggccgag aatctggcca actgtgagcg cctcatcgaa 600
gtggaggaca tgatggtgat gggccgcaag ccggacccca tgtgtgtctt cacctacgtc 660
cagtcgctgt acaaccacct gcgtcgcttc gagtaaagcc cctgagcctg gattgccaaa 720
gagcagcccc aggaagaggc cgggggtccg cttgcgattc ccagccagg atgccccag 780
gagccttgcc gtttggtgtg agcgcgctgt ttgttctgtg gcatgtgacg gactccct 840
tcgagcccag ctgtgttact gattaaaagt actgctgagc tgtggtccga cagcactgat 900
cccagccaag ggcttgaggg aaaaggaaaa attatgagag agagagagcc cttggtgcta 960
agtaatgatc ttcttaaaga aatgcttgtg ttatagctt ccagaatgct aatctacaat 1020
tttccctctg gtgaattcga tacatcggtt ttacagggtt acagtgatta ccaagtgttt 1080
ttttttatca aaatacccag agttttttac ttctcacgc gattgtaggt tcctctctctc 1140
cctccctctg ggccactgcc aggaaacaga gagaccgctt aatcagcagc ttgacaaaga 1200
agacctcaag tcttggaag aaacagttta atcactccca agtcctgggc aacagatgac 1260
cttcaagtca cctccgctct ccggggagat gggaaggctc tcctctcggt cccaaagtcc 1320
tcctgttctt ccagaggagc ccacaaagtg tttggctaag cacaggctct cggaattta 1380
acacttttgg ggaaggaata ggccctttgt gctgaaaaaa agtttttatt cacatctttt 1440
ttaggggatt tgctgcagat atttataaaa agtaactccc tctgtaccac 1490

```

<210> 4630

<211> 2030

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(2031)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (1993)...(893)

<223> similar to gi5565872 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4630

```

gtgacatttt ttcatacaat atgtaatgta atcatattaa acatttagac accctcacat 60
aattatttta gggcctagta gatgaaattg tatttcacag aaacaaggat aagttgagat 120
ggagacacag tgccatgct cagaagtcac tggaaagcac ctgatcacca tagtaaagat 180
ggccaagggc ttctgacctg attaaaaataa ggagtcatat aagaaatggc tttattagaa 240
aaaatgtagt gtacatgtgg ctaattttcca tcatcgatat acctcttggc tattttatca 300
ttaaaattgg atacagggtt tgaacttctt tagaagttag tggcatatct tcctattctg 360
atatgtgact tagggaaggc gttatcttca tatgatagac accctttatt tcttttcata 420
attacaagta atcagtagtt tagcactggc acaaaacaga gagagaatta cttaggtagt 480
gctttatgtg taagaagtca cacttccaac ccagaagca ggcacaggta tgccatctgt 540
agagttttta aatcccctat tatcactcaa gtctccatt attattacct agtagtaatt 600

```

```

aaattaatgt gataatctgt aacctaacaa aacctctgaa tgaagtttct ttcttctccc 660
tcttttcctg ttagatgtgc aattctgagc aaatgtgcag tgtgcagtat tgatttccag 720
cctcctttta aactccttca agtctgtgct attaaacgga gacaaccaca tcaagataga 780
gtctgtcata ggattccctg aagcacagaa tgaggaggag actgagcaaa cacgacccgg 840
gaaggcacca gttgaaccaa gacaactctg tatgataaaa tgtgagaaaa aataaaagta 900
ctcccataaa catattactt aaaaaagtga caactccaca agtaattcct tctggaactg 960
ggtagacagt ttccacaaaa agctcaaaaa atataggcac gctgctattc aagaacactc 1020
ccaggagaat acaggaggca tacaatgtca ctgtgggttaa aggtagggtgt gtgatgctgt 1080
tcaaacaggt caggggtgaac cacgtggatg acagtgtagc tcccgaaaac aggaggagaa 1140
gaattagttt cagcataccc ctgataaaat ctgcaaacct tgccatagct attccaacaa 1200
cacagcctcc aactatggac caaaatccaa tccagccagc atctacttgg ctgacatgcg 1260
ctgggtgttaa aattaagtcc agaactccag accagccagc aaatacacca agtgggtatgg 1320
catatgctaa agcaatcatc aaaaatcgaa aattgcttaa taatctacaa acgcttctcc 1380
gataactcag ccgctggcta gctgcagcaa cactgggagg aagaggagggt cgggggtggga 1440
aataagctag tgttgagaa aatattaagc agacaactcc aaattctgca tataacacag 1500
cctctatgcg atctttaata tgcgccctgc tgctctctgc agcaagaaga ggtgatgtcc 1560
cattgggagc tggaaacaac agtgggtccaa ctaaaaatgc acatgctccc ccaagataac 1620
tgagcattga tgcaatagct gtggctgtgg ccctttcatc tgcagaaaac cacgtcgtag 1680
agagaaatgg tgctgcattc attacagttg gacctgccaa tccatttaac atctgtcctc 1740
catgaattaa tcttctttta aggattaagt ctgatatagg tatgcatctt agaccagttc 1800
ccaaaacat aaggaaggat gtcaggagca cagttatccg gagacctctc ttgtccagga 1860
gccacatgaa cgcgaagcag ggcaggaagc cgatgggccc ccacagcacg agcagcgcgga 1920
tgtccagct ggagaagccg taggcaaggc ggcagaggt ctggatggga cccaggtgt 1980
tccagtccag gccctaccga acgccagcag tnnnnnttcc acactcatct 2030

```

<210> 4631

<211> 816

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (808)...(187)

<223> similar to gi5689537 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4631

```

tttttttttt ttgaagacta agggtaagct tttatagttg attaagtcac acagtgcaaa 60
gaaagggcca ttgacccttt tggtaaaggg agggctggaa gccacacaga ttaagttcaa 120
tggatagtcc gtatatatcat gtgatgagga acacccaaac taaatttgtg cttcttaggt 180
tggtcattct gaatcccgat gcacttctga agcatcagct cggcaaattg ggcaagtacg 240
atthgcctta agccatttgt caacacactt ggcattggaac tctgtgttac agggtaagac 300
tctaagtagc tgccttgact caaaatcaca catgcatact acacacaaag tctgttctga 360
ctgggtgggtt ttaggattga accgataaga aggaagttgt tcaatatctg ctttagtcag 420
tccacgaggc ttgacctctc ccagtcgctc tgccagggtt aacagggcct cgtaattttc 480
tacttctcca tcttctacat ctaattcaaa gctgaaagtt gggccactg cagggtggcac 540
tggaagcatt gataacacat atggcagtaa gctgggatga taagggggag gtggtattgg 600
ctgctgggat cggatatctac tacgtcctgt aagcctccga ggcataaatg gaggataagg 660
tactccaaag gacacctcct gatgcaaagg atcatgtgtt aagaactgca agggagctga 720
tggaggtaat gttgggggggt gggctgatgg agggtaagta aaacctccta ctggaagatg 780

```


ttctcctaag agttccactt cattttcctc gtgccg

816

<210> 4632

<211> 3775

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(2229)

<223> similar to gi3327150 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4632

gctaagagga	gtccctgtgt	gggcagctgg	agccttcaga	ttctcttcag	gggaagagtc	60
cacatccac	ctcatcatgt	cccgaagaag	ccagcgctc	acgcgctact	cccaggggtga	120
cgatgacggc	agcagcagca	gcggagggag	ctcgggtggc	gggagtcaga	gcaccctgtt	180
taaagacagt	cctctcagga	ccttgaagag	gaaatccagc	aacatgaagc	gcctgtcccc	240
agcgccacag	ctgggcccgt	cctctgatgc	acacacctcc	tactacagtg	agtcgctggg	300
ccacgagtcc	tggttccac	ccaggagctc	cctggaggaa	ctgcatggg	acgccaactg	360
gggtgaggac	ctgcggtg	ggaggaggag	aggcacgggt	ggctcagaga	gcagcagggc	420
cagcgggctt	gtggggcgca	aggccaccga	ggacttctg	ggctcttct	cgggctactc	480
ctctgaggac	gactacgtgg	gctactcgga	tgtggaccag	cagagttcca	gctcgcggct	540
ccgaagcgcc	gtctcacggg	cgggctcctt	actctggatg	gtggccactt	cgccaggccg	600
gctcttcaga	cttctctact	ggtgggctgg	caccacctgg	taccgctga	ccacagctgc	660
ctccctcctt	gacgtcttcg	ttttaaccag	gcgcttctcg	tccctgaaga	cgctcctctg	720
gttctctgtg	ccgctgctct	tgtgacgtg	cctgacgtat	ggtgcttggt	atttctaccc	780
ctatgggctg	cagacattcc	accctgcttt	ggtttctctg	tgggcagcga	aggacagcag	840
gagggcggtat	gagggctggg	aagccagaga	ctcatcgcca	catttccagg	ctgagcagcg	900
tgttatgtcc	cgggtacact	ctctggagcg	gcgtctggaa	gctcttctg	ctgaattttc	960
ctccaactgg	cagaaggagg	ccatgcggct	ggaacgtctg	gagctgcggc	aaggggctcc	1020
tggccaggga	ggtggtggtg	gcctgagcca	cgaggacacc	ctggcgctgc	tggaggggct	1080
agtgagccgc	cgtgaagctg	ccctgaagga	ggatttccgc	agggaaactg	ctgctcgcat	1140
ccaggaagaa	ctgtctgccc	tgagagcaga	gcatcagcaa	gactcagaag	acctcttcaa	1200
gaagatcgte	cgggcctccc	aggagtccga	ggctcgcatc	cagcagctga	agtcagagtg	1260
gcaaagcatg	accagggagt	ccttccagga	gagctctgtg	aaggagctga	ggcggtgga	1320
ggaccagctg	gccggcctgc	agcaggagct	ggcggtctg	gactgaagc	agagctcggg	1380
ggcgggaagaa	gtgggcctgc	tgccccagca	gatccaggcc	gtgcgggacg	acgtggaatc	1440
tcagttccc	gcctggatca	gtcagttcct	tgcccagggt	ggagggggcc	gcgtggggct	1500
ccttcagaga	gaggagatgc	aagctcagct	gcgagagctg	gagagcaaga	tcctcaccca	1560
tgtggcagag	atgcagggca	agtcggccag	ggaagccgcg	gcctccctga	gcctgacgct	1620
gcagaaagaa	ggtgtgattg	gagtgacaga	ggagcaggtg	caccacatcg	tgaagcaggc	1680
cctgcagcgc	tacagtgagg	accgcatcgg	gctggcagac	tacgccctgg	agtcaggagg	1740
ggccagcgtc	atcagcaccc	gatgtttctg	gacctacgag	accaagacgg	ccctcctcag	1800
cctcttcggc	atccccctgt	ggtaccactc	ccagtcaccc	cgagtcatcc	tccagccaga	1860
tgtgcaccca	ggcaactgct	gggccttcca	ggggccacaa	ggcttcgcgg	tggtcgcgct	1920
ctctgcccgc	atccgcccc	cagccgttac	cttagagcat	gtgcccaagg	ccttgtcacc	1980
caacagcact	atctccagt	cccccaagga	cttcgccatc	tttgggtttg	acgaagacct	2040
gcagcaggag	gggacactcc	ttggcaagtt	cacttacgat	caggacggcg	agcctattca	2100
gacgtttcac	tttcaggccc	ctacgatggc	cacgtaccag	gtggtggagc	tgcggatcct	2160

gactaactgg	ggccaccccg	agtacacctg	catctaccgc	ttcagagtgc	atggggagcc	2220
cgcccactag	ccctgcttac	tggtgcctgc	tgccagccat	ctgggagtgg	gtgaacagca	2280
ccccgccgct	tccccacac	gcttgctcgg	cgctctgact	tctaggagca	caagagagga	2340
gcctgtggcc	ccatgcagat	gaaaaggacg	ggcagggctc	cctgagcagc	aggtggctcg	2400
aggcggttag	caggctccag	cagctccctt	cttccttccc	tctgtgcccg	tggcgtctgc	2460
ttcccatcct	gggagtgtgt	atatatgtag	catatcatgg	gggactggga	agttgggaga	2520
ggtaggacct	gactggtctt	ggctgggggtc	aggggctggt	gcctgggagc	tgatgaagca	2580
ggtgccaggg	ctgtgggagg	ggcaagctac	ggcctgggct	aggtgagctg	cctctgcccc	2640
tgggcaagga	agcgaggccc	tctgggagga	gggtgcttag	ctccagagca	ggatgggact	2700
tccccaggca	ggaagcactt	gatggagagc	tgcccagctc	tcctacaagg	ttagtgcctt	2760
ccacctaggg	aagcatgaac	cacagggtcc	ctgagggcct	tcgacaaaag	tgtgtatttg	2820
tcccggggag	ggtagcagtg	ggccatgggg	cttcttgtgc	cctaaagggg	actggctgct	2880
gtgatcttct	aaggggccca	gggccaaccc	tgtaggcttc	ccctctgctg	gggacggtag	2940
ttgcttttct	ctctcctgat	gctaggttgg	ggcccaccct	gctccctgtt	cctgctaggg	3000
cctgccagtg	cccctgagct	tgctttccac	attctcccag	ggtagggaga	cctagacctg	3060
tctttggggc	cattagcatc	tggggttata	gcaagaagag	tggggagcat	ggaactcctg	3120
ggctcttgtg	gggacgttca	gggtatcggg	gtgcgaggtc	tgtctgcacc	ggccccaca	3180
tctaaccagg	ccctgatgta	ggggtcgtcc	gctcaggtcg	cccccttggg	ctcttgcagc	3240
tcttgttcag	gtagtcgccc	ttctggtttg	ttctctgtgg	ggcagttggt	gggggctggg	3300
ggaagaggct	ggcagaagtt	accctggata	gggaaggggg	aggaggggac	ttttagagcc	3360
agcaggcccc	actgtattat	gtatataatt	ttcaaggctc	gtttttctaa	ctgaaaagct	3420
aagggcttga	ttcctagccc	cgttctgtgg	ggcactgggt	gatactcagt	ttcttgttcc	3480
tggccgtgga	gagggggcctg	gggcactggt	tccggctgtg	tctggtggtc	tggctgcggg	3540
gaaggggcaa	gaaggcgggc	aggccttcac	tgcagcactg	agcctcaaat	ccgctctgga	3600
gcatgaggct	ggatgcagtg	gtgggtgaggc	cgccccgctc	catcccaggg	cagccagggt	3660
ttgttttgcg	ctctcctgtc	acaaatgctg	cactattggg	tcttaagttt	tttatctcca	3720
gaccctaatt	tatgcctatg	caaaaaataa	atgacgcca	agagcaaaaa	aaaaa	3775

<210> 4633

<211> 622

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (26)...(462)

<223> similar to gil359830 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4633

gaattcccg	gtcgacgatt	tcgatcggg	ctcgatggag	gaagacgtgg	acacgagccc	60
tggcggcgat	tactacactt	cgcccagctc	gcccacgagt	agcagccgca	actggacgga	120
ggacatggaa	ggaggcatct	cgtccccggt	gaagaagaca	gagatggaca	agtcaccatt	180
caacagcccc	tccccccagg	actctccccg	cctctccagc	ttcaccacagc	accaccggcc	240
cgtcatcgcc	gtgcacagcg	ggatcgcccc	gagcccacac	ccgtcctccg	ctctgcattt	300
ccctacgacg	tccatcctac	cccagacggc	ctccacctac	ttccccccaca	cggccatccg	360
ctacccacct	catctcaacc	cccaggaccc	gctcaaagat	cttgtctcgc	tggcctgcga	420
cccagccagc	cagcaacctg	gaccgtcctg	gtatctggga	tagcaaaggt	cttcttccct	480
cgccccttct	ccatcgctcc	aggaatccca	gggggcagca	cagccggccc	ccggcccacg	540
ttttcggtgg	aaaattagag	tgaacaagaa	caccctgcc	gactcccagc	ccggccaaaa	600

<210> 4634
 <211> 1117
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (171)...(757)
 <223> similar to gi532812 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4634
 gtcagggtccc gtcagcagcc tggctcatgg ctgtgtgcgg cctgggggagc cgtcttggcc 60
 tggggagccg tcttggcctg caaggggtgct tcggcgccgc caggctcctg tatccccgtt 120
 tccagagccg cgccctcag ggcgtggaag acggggagacag gccacagcct tcctcgaaga 180
 caccagcat ccccaagatt tacacaaaa cgggagacaa agggttttct agtaccttca 240
 caggagaaag gagacccaaa gatgaccaag tgtttgaagc cgtgggaact acagatgaat 300
 taagttcagc tattgggttt gctctggaat tagtcacaga aaagggccat acatttgccg 360
 aagagcttca gaaaatccag tgcacattgc aggacgtcgg ctccggccctg gcgacacccat 420
 gctcctcggc ccgggaggct cacttaaagt ataccacgtt caaggcgggg cccatcctgg 480
 agctggagca gtggatcgac aagtacacca gccagctccc accactcacg gccttcatcc 540
 tgccttcggg aggcaagatc agctcggcgc tgcatttctg ccgggccgtg tgccgccggg 600
 ccgagagacg tgtggtgcct cttgtccaga tgggagagac cgatgcgaac gtggccaagt 660
 tcttaaacag actcagtgc tatctcttca cgctagccag atatgcagcc atgaaggagg 720
 ggaatcaaga gaaaatatac aagaaaaatg acccatcggc cgagtctgag ggactctgaa 780
 atcacagaaa gtgggagctt ggaggatccc tccatggcga tggccgtgga gagaggagct 840
 tgcccttctg gggctcctgt tcctgaagag ctacaccaga gaggctcaaa gcagcctttt 900
 gtcccagctc agctttgatc tacacctctt gccaccttcc tcaagggact gtgacccttt 960
 ggggattctg cccctgaccc tgcttcccca agctctcctg ggtcttggag ggatgtggga 1020
 atgaattggc attgcaggaa agacaggtaa agtgattgct gcaatgagaa ggagctgtgc 1080
 ggaaaaggaa taaaagttgg aaaggctaaa aaaaaaa 1117

<210> 4635
 <211> 966
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (514)...(679)
 <223> similar to gi998352 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 4635
cgacccacgc gtccgcggac gcgtgggagg acgcgtgggc agagctggaa aagttggagt    60
tggttttggg atacttggag agctggcttt cttaaagtgc gctttgagga ctggtgtgta   120
aagcacttga ttcgtcttcc ctttgctgga gttatggggc tgggctttta cactgggggt   180
ctgaagtaac aaacaaagtc agtccagaaa tagttgctca gcaatctcat tgttacagtg   240
tcgcaaaatg agctcatatt agctttatatt tctgctacca atagagtgtt cctaagtatt   300
taaagtgtgt gactcctttc ttatagagcc agcaagctgt attggaatca cttttccagt   360
gttgtaaagt ttatttttgg gggtcagtca gtatactcgt gaatgacaga aaaacagatc   420
ccaacaatgc aaagtattat atgtgtaaaa aagaacagaa aaaagaagct gccttgtag   480
taacgggctc tatggttttt ctcacaaaga ggtcatgacg ccagtcagat cacactagcc   540
ttggggcacag ctgcctccta cccaggggct tggcaggctc tcggggccat gctgtccaaa   600
ggagccctga accctgctga catcacgctc ctgttcaaga tggtcacaag catggaccct   660
cctccggttg aacttgtaag ttgcttctca agaattccca atgtcagctg gtaaggtgac   720
tttggaaggt ctgtgcttgc ctgattgtct gaaggctgtg aatgcaaata catcattgtc   780
ctggtccttc ctcagtcaca ctctctgctt ggagcctgtt gggcccctgc tgtgtaggga   840
taccctgagg ggaggtgggt gagcagtgcc ctcacgctcg ccatcccgaa ctgggcatat   900
gcttctcctc agatccgcgt tccagccttc ctggacctgt tcatgcagtc actctttaa   960
ccaggg

```

```

<210> 4636
<211> 1138
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (44)...(813)
<223> similar to gi2707256 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4636
cggacgcgtg ggtcgaccca cgcgtccggc cgctctcgat cttagaacta ggaactggaa    60
cagcagtaat atttatctct ttaacctctc tgtctctgac ttagcttttc tgtgcaccct   120
ccccatgctg ataaggagtt atgccaatgg aaactggata tatggagacg tgctctgcat   180
aagcaaccga tatgtgcttc atgccaacct ctataccagc attctctttc tactttttat   240
cagcatagat cgatacttga taattaagta tcctttccga gaacaccttc tgcaaaagaa   300
agagtttgct attttaattc ccttggccat ttgggtttta gtaaccttag agttactacc   360
catacttccc cttataaatc ctgttataac tgacaatggc accacctgta atgattttgc   420
aagttctgga gaccccaact acaacctcat ttacagcatg tgtctaacac tgttgggggt   480
ccttattcct ctttttgtga tgtgtttctt ttattacaag attgctctct tctaagaca   540
gaggaatagg cagggttgcta ctgctctgcc ccttgaaaag cctctcaact tggcatcat   600
ggcagtggta atcttctctg tgctttttac accctatcac gtcattgcga atgtgaggat   660
cgcttcacgc ctggggagtt ggaagcagta tcagtgcact caggctcgtc tcaactcctt   720
ttacattgtg acacggcctt tggcctttct gaacagtgtc atcaaccctg tcttctatct   780
tcttttggga gatcacttca gggacatgct gatgaatcaa ctgagacaca acttcaaata   840
ccttacatcc ttttagcagat gggctcatga actcctactt tcattcagag aaaagtgagg   900
ggcttgtgaa acagattgtt ctacagatga atctgtaagc cagttacagt ttgctttaac   960
tcatagacat caatcagaga gtgtcacaga ttaaccttg atctaagac aagttgtacc  1020

```

```

cagagtatgt gaaaagaatg ggatgacaag aatgtaactg ggTTTTTTTtC ttcctctaaa 1080
aaattgaaag gaggtggaac tgcccttatt gtttgggcat gtaaaactccc aaaatact 1138

```

```

<210> 4637
<211> 1460
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1461)...(565)
<223> similar to gi388309 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4637
TTTTTTTTTtT ttctctcata aagtagtttt atttagattt caaacaacc aaagcaggga 60
aaagagtcgg ccacggtgaa tccgtccact ctgtgctgga cgtggctcca ggacctggag 120
ctgacaggca ggaccgggcc cctcggaacc ctacacctgg gcctcccagg ctggtagtgt 180
caggaaacgg cccccggccc acgttcccag cagcgcccc gtggctcctc cgggggtgcgg 240
ccagtccgga agctggggga ccccggtaga agtcgggctc agctcccctc ccgagggggac 300
aggtgggccc gccgctccca ccttggggcc gtccaccgag ccccgagtg aacgtgagtt 360
gggcgggtgg ggggcaagcc ccttctttct tcttgaaagc aacgttgaaa acccagaaca 420
gacatgggga aggagaaaaa gccaaaacga aacaaccaga ggagacgggg accagcaca 480
aacctccgtg aggtagtctg tcgtctaagg agccacgggt ccggccctag tgaggtaaac 540
tcggcaagtt tattctggtg gtgtcaggac tcctccgtgc cagagtcatc ctcatcgcc 600
ccgaagcagc tgtcggcctc ctccctccacc tcgccgtcct cgtagtagtc gtcgtagaag 660
aggtttgagc cctcgtcggg cgccggcgcc ttggtcttca cgcagtactc ggccagcggtg 720
gtgggcacct tcacgccgtc acgtcccgcg tccaccttgg tcccaggac ctgcttccgg 780
atgatgtctg tgtactcccg atccttcccc ttgctctctt tccacttcct gtacatcacg 840
gaggcgcca cgtttgcggg cgagaagggt ttgggctcgt tcaggaggga gatcacactc 900
aggagaatgg tcctgacgtt ctgctggggg tccacctct ctgagggcag ctccccgctc 960
tgggggctgt ccaccggcggt gtggaggatg gagatacaca cgtcccccggt ctcgtagatg 1020
ttaggggtgcc acatcttggt caggaaccga aaggctggtg gagagtatgg gtagtcgatg 1080
gggaacttga ggcgcgcctt gaagtagccg ccctcgtagt aggtgttggg gggcccgaag 1140
atggccacct ccagtttga tagatcgccc tcgtccacca gtgtcacgcg gaatccctcg 1200
accggtctt cctgcagccc cttgagctcc agcagcagcg cttctgcga gctgggcaact 1260
agcggccgag ccatggcggc ggcggagggg cccggggctg gagcagcgcg gggccgcgcg 1320
accaccgca gttcgcgaga cgggcccggc cgcgcaccgt ccggggggga gccaccgggg 1380
ccgcccgtg cctcctcctc tgcgcgcgcg ccgcccgcgg gggaccccga gcgctccagc 1440
agctctggcg ccgcccgaat

```

```

<210> 4638
<211> 578
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (3)...(347)
 <223> similar to gi5052520 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4638
 ccgggagcct gctggccgtg ggcaccgacc tgtacgggca gcgcagcagc gccccggagc 60
 aggagctgct ggtgcaggac gccacgccgg tgagcaactc cctgcttccg gagaaggcct 120
 tcagcgacat cccctcgccc tacctgcgcg ggaccatcaa gatgatgcag gcggtgcgcc 180
 aggctttcca ggaccaggac gaccggcgca cgtgggatgg gcggccccctc accatggccg 240
 ccaccttcga cgactgcctg tatgccttgt gcgtgggtgga caccatcaag aggtccagcc 300
 agacgggcga gtggcagaac attgccatca tgaccgagga gccggagctg agccccgcct 360
 acctgatcag cgaggccatg cgccgcagca ggatgtccct ctactgttag cacagattga 420
 gaacctcggg gacttgagcc ttctgcaggg gatgtccaca gagagggaag ggccgagggg 480
 agaggggtgac catggggaat gtggggatca cggaggtgga ggggcagtgt gaataaatgg 540
 catctaggaa ggtaaaactcc aatcccgtg accgaccc 578

<210> 4639
 <211> 1200
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (13)...(910)
 <223> similar to gi3874230 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4639
 ctggtgcctg tgggtggcat tgacagctac tattatggga agttggtgat tgcaccactc 60
 aacattgttt tgtataatat ctttactcct catggacctg atctttatgg tacagaaccc 120
 tggatattct atttaattaa tggatttctg aatttcaatg tagcctttgc tttggctctc 180
 ctagtccctac cactgacttc tcttatggaa tacctgctgc agagatttca tgttcagaat 240
 ttagggccacc cgtattggct taccttggct ccaatgtata tttggtttat aattttcttc 300
 atccagcctc acaaagagga gagatttctt ttccctgtgt atccacttat atgtctctgt 360
 ggcgtgtgg ctctctctgc acttcagcac agttttctgt acttccagaa atgttaccac 420
 tttgtgtttc aacgatatcg cctggagcac tatactgtga catcgaattg gctggcatta 480
 ggaactgtct tcctgtttgg gctcttgtca ttttctcgct ctgtggcact gttcagagga 540
 tatcacgggc cccttgattt gtatccagaa ttttaccgaa ttgctacaga cccaaccatc 600
 cacactgtcc cagaaggcag acctgtgaat gtctgtgtgg gaaaagagtg gtatcgattt 660
 cccagcagct tccttcttcc tgacaattgg cagcttcagt tcattccatc agagttcaga 720
 ggtcagttac caaaaccttt tgcagaagga cctctggcca cccggattgt tcctactgac 780
 atgaatgacc agaattctaga agagccatcc agatatattg atatcagtaa atgccattat 840
 ttagtggatt tggacaccat gagagaaaca ccccgggagc caaaatatc atccaataaa 900
 gaagaatgga tcagcttggc ctatagacca ttctttagtg cttctagatc ttcaaagctg 960
 ctgcgggcat tctatgtccc cttcctgtca gatcagtata cagtgtacgt aaactacacc 1020

atcctcaaac	cccggaaagc	aaagcaaadc	aggaagaaaa	gtggagggtta	gcaacacacc	1080
tgtggcccca	aaggacaacc	atcttggttaa	ctattgattc	cagtgcctg	actccctgca	1140
agtcacgcc	tgtaacattt	gtaataaagg	tcttctgaca	tgaatactgg	aaaaaaaaaa	1200

<210> 4640
 <211> 1943
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1946)...(1386)
 <223> similar to gi5531815 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400>	4640					
tttttttttt	ttgtttttca	taaagctatg	tattttttca	acttaaatga	gaagccttta	60
ttctgagatt	acattcttcc	taatttttagg	ggctaaaata	tattttcttt	tacataatga	120
tgctgatagc	agatggctat	ttgtttttgt	ttgtttat	ttgttttatg	tccttagctg	180
gcaaaattaa	aagccagaag	ctaaggcccc	attttttttc	ttttaatata	aatctactgg	240
tgcttaaaac	tcagagctta	ggaaacacag	cctaggtaaa	gaccaatctt	cttgctgcat	300
atttcacagt	attgaattct	ttcttggtga	gttctccata	caagttatga	agcaggataa	360
aagtcagtct	tatattaagt	cattgtaaat	acggccttaa	tttcaatcac	caaagaaatg	420
tatttttgtt	gtataccatg	gttgcagcat	gttttattaa	aactaattat	atcaatagct	480
acctgtagag	tatcaactta	aaaattataa	tgccatttct	atgaagtcac	tacttttata	540
ggactagcct	gtgtcatatg	tgtgatcaat	attggtttaa	tgcaaaaaca	aaggcagctg	600
ggtgtccaag	caagccactt	ttctgggtca	gggtttcagt	ggtaccatag	atggctgcca	660
gtctcaatgt	acactttggc	ccattttatct	ttataaatca	taccatatag	cttcgatatt	720
tacatacatt	taaactgaga	agaaatatgc	attataagaa	agcatagttt	agtgggcttc	780
atgtgtcaga	aataattcca	tatttcacaa	ttattttcat	gtcattagct	acccttgata	840
aagaacaatt	ccatataaat	gtacaaactg	gaagataatt	ttataaaaacc	gtaaagagat	900
ctttgtaaat	tgcatgtgtg	ctgcttataa	acaaatcaaa	tcgatctcca	tttcttcaag	960
tgtcaaaaac	aaaagagtag	ctggacattg	gtttttataa	tcagtttcag	agaaaatata	1020
ggaataatga	tcaatggcat	tttgaagcag	ataaaactgc	caagttttat	gcttgagtct	1080
atcattctgt	gatttgctat	aatagtattc	ctttctatta	ggtgttcccg	acaatattag	1140
ttctatatct	atttgatatg	agcattttata	ttaaacttca	aaattacctc	ggatagtatc	1200
cagaatatat	gtcagaaaac	cctaaaagca	acttctat	tcctcttaat	taagataata	1260
tttagtcatg	ttaataacta	ttgaaatgac	aaggtcagat	tttcaaaaacc	agtaggggtgc	1320
tttgacgtga	acgtgcata	gctggagcat	ctggccaagt	tacaatgcag	ttatcaatgc	1380
ttagtctctc	ttggttttct	tcagatagt	agcccgtgta	gacttggtca	tattcatgac	1440
tattttcaaa	taaatccaag	aaggcaggtt	tgagattatc	aagcccataa	gagcatggat	1500
caggatatcca	ttgggttcgg	attgcaggcc	gactgtttta	attgcagact	tcacaaacgt	1560
ctccggagag	ggcttatcca	aagtgtggctt	ccggatttta	gccagttttg	tagctacgaa	1620
gtatggcagg	acactctgca	caaagacgcc	cttgctocta	tactcctcat	ggaggcactg	1680
agagaagaaa	tctacaaaag	tcttggttgc	agaatagatg	gtcaagagtg	ggacagggag	1740
catgccactg	ccagatgaaa	tggtcagaat	agcccctttg	gatctttcca	ccatgccagg	1800
cagtaccaat	tgtgtcatct	tacaaacaga	aagaatatta	atattttatca	ttttcttgat	1860
cacattgtcc	aagtcaggaa	catccaaaaa	gtattcagga	tactcatacg	acattctcac	1920
gttggttact	aagatgccga	ttt				1943

0948326.04100

<210> 4641
 <211> 2272
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2268)...(1547)
 <223> similar to gi2289786 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4641
 tttttttttt ttaggggtct ggctttctct ttagttctca tcacactagg gctctcagtc 60
 acagagaagg cacttaaatg ggaaggccac ctgatgcagg ccaaccatat tcaccccccg 120
 cccaccgcgt ctggggggagg ggagcacaac gacatcacca ctgacatcc cccttggcac 180
 tggatatgtg gtcccttaaa ccgttagacc ctggggagag cccaaggcct tgacctccgg 240
 aatcgccatg ttaggaggag gggcttcaga aacagttgga aggcaggata tcctgggagc 300
 tgcccccagc cagcagggga tcaggcaggg ggctgtagga gatgggttgg cacaggggaa 360
 ggggacagct tggtcgggct tcctggagat ccccaaacc cacagaaggc cccacctcct 420
 acagatcccc caaaggcacc ggtgaaggat gggcaaggag gcactgatga gctggcgtag 480
 agacccccca cacacactta gctggtgggc ctagcatatg ctgggcacag aaggtgctca 540
 agaaatgttt ttttgaatga atgaacggag caaaggggtg tgagggacag aggacagggc 600
 ctggggccctt tggcccagct tgttccattc agaaaatagc agtttaaaaa atgtaaaaat 660
 cctttccctc cctcccccca acttctgggc ccaggaaagg ggcaagggag ggggtgtctct 720
 accctgaccc ttccctctct ccttccccta aaaatctata tacacatgta catatttata 780
 tggcaccaca aggggggtcc tgccatgccc cccacgctca gagctggggg agccaagccc 840
 cggggctggt taaggcagaa gtctgaggtc attgcttggg tgatgcaggg agcagccctc 900
 agctgtcggc cctggagaag ctgcaactgt gggcctgaag gacagaatcc tgctgccttc 960
 cccagtggta acagacctcc cctccctcca aggcagaggc aaagggttgg aggggccctc 1020
 tcagtcccaa gggaggaggt ggggcagggg gaggggctgg ttctccctc ccagcctaga 1080
 gctgtgcccc tgggaaagct gggcggggaa gagggggctc tatgcaaggc acttgatgtc 1140
 caccgttccc agactggggg tccaaggcag gaacctgcc ccagggaagc agaaccggaa 1200
 ggggccaagg ggcccaattt ggcagcagag aaacatggca gcatggacag agacagaaaa 1260
 agggagcagc aggcagggcc cccaggtcc cctgagaata ggggaggagg tttgaaggca 1320
 ctgacacggg gcctggagct cacggtcctc agtgagcct gctgccccta caccgcctgg 1380
 tggggctggt ggggggagac cccgttccc catggcactg agtgtggcg cggcccatgg 1440
 gttttcctaa caaaggcctg ggcagtcttc ctgggaggag gtgtgggtat cattggtcag 1500
 gggcaggtcc tggccccatc accctcacta gctccctggc cgtggctgcc tgagcactga 1560
 gtacacgtcg tccacacggc tgagttgctc gaagaagggg aggaggtcgt ggagctctgt 1620
 gtcactcatg ttgtcaaaacc acgaggccac cggtagacga ttgtctggat ggaagacata 1680
 ggaggcaggt gaattgtcca ggatgagcac ccgcccagc tctcgaccca accggtcag 1740
 gtccttcacg tagttcccc ggtggaagac gcaggactct cgaaacagcc gggcccggaa 1800
 ggccccccat ttgtccagca ggtcagctac tgggtctgcg tacttggcga ggctagcagt 1860
 gaacagcaca cattcaaaga gctcgcccat tcgctgcagg aactcatcca cgtgaggacg 1920
 cttcaacacg tagacctggt ggaccacccc atcaatctcc acagggatga tgaagtccgc 1980
 gttgttcaact ggcttgaagg agctgtgcac caggggtctc tccaggtcga tgaccacgca 2040
 gatcttgtct gagtctctgg ccttggcctc agggagcagg tattggactg ggggtctgctt 2100
 agggatggcg ccattctcct ccacaagcag gggcgcccc ctgtgagcag gcagggcctc 2160
 cccatcatcc cggcagacac agcagaagag tgagtggagg atgccccggc ttcggggctt 2220
 ctgggaagct gctgacttct ggtcaccttt gccccgcagc gggccccgag cc 2272

<210> 4642
 <211> 2174
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2176)...(1289)
 <223> similar to gi5052031 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4642
 tttttttaa ataatcagt gtgttttttt attttgagcc aatgtttttac ataagaccaa 60
 caaactaagt gtgggcaaac tggtcaatca cttttgagaa attacatggt tcctatttag 120
 gtttgaaaa gtagtttggt gccataacat cagaccttaa ggtgttttaa agtgtatcct 180
 aagggtactg acagaagaaa aatacagtggt tatggaagta tacacaactc atgaccacac 240
 agtatagatc cattcatggt gaataatggt catctgttct ccaaaggtag tgaaaaatat 300
 taagtcacat aataaatgct cagaattacc aaggaacagt taaaaaggac caggatccaa 360
 acaggttatt tatatattta tctataaaca agtgacaaca ctaaaaaaca cattgaaaac 420
 cagtgtttta aactctgaat gtgggatttta aaaatattcc attaacttga gattgcaata 480
 atttttttta accaaatagc atttgactgg caagtctcat ataatttaca gctgtaatat 540
 tcctaaaagg aatatctaca tactatagcc tatcaaatat aatctgcatt ttgcaaatca 600
 atacaaaaat ctatccatca tttatacatt ttatatattat atacttttta aaaattagat 660
 tttattgcta ggtgaatttg gaattcaaat taaatttgga aacttaataa tgctcttctc 720
 ataaccttct ccccatctct tttttaattt ttaaacactg gaagcaaatg attatcaaaa 780
 tgagactgca acttaaggca ttttaaaaga aaaaataatt aggtgccata tagcatttta 840
 tttcaaaagt atattttgtc ccacttttct cactagcaag agtaaaacac aaaccttttt 900
 tcataaatat gactacagta atcataacac aaaaagggt tgataggcat tgcttagata 960
 tttaaaacaa gggtaatact tcccactca cctaaaagaa aaaacctttt tgattaccag 1020
 tttataaaca tcggatttgc tatgttaaaa agtccagcag aattttaatt cagcaacact 1080
 ggagaatgaa tatatatata caggcataca tgtgtatgta tatattcatt ttatatatag 1140
 tcaatgtatt tattaggcat tccccacaa aagtaattta tatttaattg ccatttttaa 1200
 taaacactta tgttcacaga tcatccatct gtcttatatg aagttaggca atatcaaatg 1260
 tcctgttatg gtctccgtct tcttcggaat catcctctga agtttcgaga tcttccatat 1320
 gtgcctgaag agttcttgca aggttaataa atcggacacg tgtgcttggt tcatttgtat 1380
 ttcccatcat atcagaaaag ctttgttcgc acaagtgcaa taacaccact aggtagagac 1440
 cagagctgat aaactcatal tcagcttggt catttgcatg agctctatgt agttcatgaa 1500
 tatcaaaatc ctccaggtta agctccaact tctctttaca tagttcacag gtggttacag 1560
 cttctaataga agaaccagag ttaatttttg cctgtaacca ctttttcata cagtcttggt 1620
 ggacatactg caaacttcct gtgcacttgc atggctctat cagcaaatta gatgatgatg 1680
 cagctgccat ttgacaaatt ctacataagt caccttcttc ttctctgag tcctctaaaa 1740
 ggaggctctc ttttattttc tgcaatcttt ctggatctct tgaaggcgca ctttttagtt 1800
 tatcactttt accatcagct gaattccaac ctgaagggaat aatatctact gtgatcatga 1860
 cattgtcggg caaattactc ccaagtgtct gggggactgc aaaccggaat aaggaaccag 1920
 gaagaatccc tgatattcct gtatttcttc caccttgagc cgaatctgat gtagagccac 1980
 ctgttggtgg actgcttgat gctgcagatg cttgtggtct gttggcagca gctccaagag 2040
 gatcattctg tgcttcaagg tgaaccactt catttgattc tcttctaaaa atatgagatc 2100
 tagatgatgt atcagaggta ggtatccttg aagattcatc tcttccctct cgcctccttc 2160
 tagagaacaa aggt 2174

<210> 4643
 <211> 1266
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1267)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1266)...(965)
 <223> similar to gi3411233 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

0040375289460

<400> 4643
 tttttttttt ttgcttcaaa atattttaata cgtgttagac acgtagaagt tacattttta 60
 tacaaaaatc aatacaacga aggagaaaat actgtacaaa aaccttatca gctcccccaa 120
 cctttatata acaaagactg gagtcacat atctacaaaa ccataagggtc tttccacttc 180
 gggcttctgt ctgtaaactc tcattaaaca ctttttaaaa gcactgtgta gtacttctga 240
 cctagagctt ttaaaaatat atcttttctc tataaaactcc attatttcca agcttgaact 300
 cttctgtgaa gttcgtcaag ctttttctcc cctgcgggga agcaaaggac cgtaataacg 360
 cccctttcct agagtaatca caggatataa acgtttcttc attgggagag aaagggtggg 420
 agggacagaa ggaatccaag tctgtgctct tggctaaatc cctctcgtct taggaaatcc 480
 tgtgcggaaa cgccactcct ggccctgaag cgggtctagc tttccggtga ggggtagggtg 540
 taaagtccct ccctccccgg agaacgaatg gggaactccc cggcccaaac ctttttagccg 600
 ctcccttctc cagcgagccg gcagaggaaa gtccctgtct gcccccaatc tcttaaacc 660
 tggggaagga gtggtgcatt ccagaagagc aaaatagtct taatgccaca agacaaactt 720
 acatacacag acatacaca acacaaaagt taacgatcgt cctcttccaa tgagcctcaa 780
 gctcccaggt ctccagataa gccagatgag cccgggggca gtttgcatg cccagaggca 840
 accagtctgc ccaacgcgct cagcgcccg cgtctctggg cgtcctcgca gccgggaagg 900
 gcttgccct cacttcgggg acgcccgtg ctccacctcc tccccgcagg ggggccaagg 960
 gctcagaagg ccacgatggc tgtgtctccag ggggtcatgt ctctcagcac cggcttatcg 1020
 cagcagatct gcccgggctc ggcggttcc ggaccgctct cctctccctc ctcttcctct 1080
 ctgccgcccc cggggctttt ccgtaggagt cccgagaaac tggaaccgaa gatgctgatg 1140
 aggttagcca cgttcccggt ctccatctcc tccgcgtcct ctccctctc ttcctctctn 1200
 ccnccgnacg cgtgtgtcgn cagntancaa gnnncatcga atgccccatg cnnnaaaacc 1260
 ccgtct 1266

<210> 4644
 <211> 1954
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (10)...(839)
 <223> similar to gi3769519 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4644

gccatgaagc	cgggtggaac	ccacagtttt	cagatgctct	tcacgatacct	gtccactggc	60
tccgcactga	aagcgcagag	ctacgaggat	gcctacaggt	gcatcaagag	cagcatcctc	120
ctgggctcca	tctcaggagg	caccgacatc	atctcctgct	tcatgggcca	caatttttct	180
cttcctgtgt	ataaagggga	gattcaggcc	cggaaacctg	gcatggccgt	ggaagcgtgg	240
aacgaggaag	gaaaggcggg	ctggggagag	agcggcgagc	tgggtgtgtac	taagccgatc	300
ccttgccagc	ccacacactt	ctggaacgat	gagaacggca	acaagtacag	gaaggcgtat	360
ttctccaaat	tcccagggtat	ctgggctcat	ggcgactact	gcagaatcaa	cccccaagacc	420
gggggcatcg	tcatgcttgg	cgggagtgc	ggcaccctca	acccaacagg	ggtgcgggttc	480
ggcagctcgg	aaatctataa	cattgtggaa	tccttcgagg	aggtggagga	cagcctgtgt	540
gtcccccagt	ataacaagta	cagggaggag	agggatgatcc	tcttcctgaa	gatggcctcc	600
gggcacgcct	tccagcctga	cttgggttaag	aggatccgtg	acgccatccg	catgggcttg	660
tctgcgcgac	acgtgcccag	cctcatcctg	gaaaccaagg	gcatcccgtg	tacgtcaac	720
ggcaagaaag	tgggaagttgc	cgtcaaacag	atcatcgctg	gaaaagccgt	ggagcaagga	780
ggtgctttct	cgaaccccga	gaccctggat	ctgtaccggg	acatccctga	gctgcagggc	840
ttctgagtca	gactggctgg	cgtgtcactc	agccgcaccc	gtgtgcaact	taacttttgt	900
gtgctcaaga	aattatacag	aaacctacag	ctgttgtaaa	aggatgctcg	caccaagtgt	960
tctgtaggct	tggggaggga	tcgtttctct	gttttgtaa	atctgggtgg	tacctggatc	1020
ttccacacga	gtgggattct	ggccttcaga	gaccaggagg	gagtgtctgg	gccgcagggtg	1080
tggcactgtg	gtgagagtgt	gtgtctttgc	acacacagtg	cagcgggaac	ggtggggctg	1140
gctgggtgctg	aagacagaca	cactcctgag	ccaaggtcct	gtcttcaacc	tccccgtccc	1200
gttggtcccat	tttgctctgt	gaagggtgaa	atccctttct	tcccttccca	tctcaggctc	1260
tcctgttttc	cctcagggtc	cagtatgcct	ttgagcttta	gctgttagaa	aggaaccccc	1320
gtgacttgac	acagctttca	cagctggctg	ctaggaccgg	cgggctgggt	gttcacgtgt	1380
gtctgtgtca	tggatgcaat	gcaggccctg	gaggactgtg	cgtcaccctg	caaccagagc	1440
gtgcctccgg	gccagcttcc	ctccaaggaa	tgagtggatt	tcatacagga	tctctttatt	1500
gcacagactg	aatggcttta	catgtttcta	atgtgaatta	ggcatgtgaa	gcagtgggtg	1560
tccaccctgt	tccctcatgg	gtgagccctc	cagctgtgag	cccaggcagt	gtggtcaccg	1620
agtgaggacc	ctcctcacca	ggaaccgcct	cctgtgtctg	cctccacctg	agagttgcta	1680
gggggttctt	gtcgagatca	tgtcatcagc	accctaagt	caagtcacgg	gtttccatag	1740
ccaggcagtt	ggtatgtaca	attcagttca	gcgtatgaac	ttgtatctct	aatctgatgt	1800
ccatttttat	attttttgaa	actgagcaca	atgaaatcct	ttcttgaatc	attttccttt	1860
tggattataa	aaatatgggg	gaaagtgtca	tgtatgaattt	tatgcaataa	atgtatacat	1920
gtgtgcacat	gcacccatgc	tgtgaaaaaa	aaaa			1954

<210> 4645
 <211> 1095
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1032)...(897)
 <223> similar to gi206 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4645
gcttcgttga ctatggcccc tgggtgtgca ccaaggcctt ctgccttgac ccagccatgg 60
cctgacattg cgtgtcttgg ggccaccagc aaggctcagt gagagtgtga gcccaggggc 120
gtgcttccca ctcaggcagg ccagcccctc ctgcccact gccaccccct tcccccatgt 180
gtcccggtc aactcaagtg accccaccac aggccctgtc ccatgcacaa atatgccaca 240
gacaggcaag gacacactaa ttttattttg aaatagggac tgcaagggca ggctcgtatt 300
gagaaggatg gccccctggg tgtgatgagc ttggggcctc atctgctcac cgtgcacgcc 360
ctggagtcct ggctaccag catgtccaaa ctaagggcac ccccttggg aaagggattg 420
cagagacggg gagcttctct gtatcccctt acaggcagga cagggggctg ggggtgcagaa 480
gcacttctgg gggagacctg ccctaagctt tccaagctgg gaggaagggg acgatctggg 540
gtccagcagg ctctggggc ttgggggtcca cttcccgttt cttcccttgg gaattggaag 600
aaccgaacca aaagcctctt ctgttggggc aaggactgag ggggtggggc tgtatctcca 660
gatgttgaag ccaggggcct gggcccaac cctgaggggg ccaacctaga gggaggtggt 720
gggctcctgg tgactgggtat taatatgtag ggggagacct gaggttgcag tcccacctg 780
gtgtccagggt gccatctggg ctaggagggc atctcctcaa caggaatcct gagcagggtt 840
tagagcacag tgggcaggag ggggagggtc tggacttcag cagggcctcg tgctagatga 900
tgccatattg ggccagctcg tgcagctcca ggtggttgaa ggcctcccaa gggcagatga 960
ctgtgatgtc tgttcccagg ccttccattc cagggatgtc gtcccaaac cgtggggcgt 1020
gtcgggggcg gctccccag gtcgcctttc ccatcccggg agctcacctc ctgcagccgt 1080
ttcaccagca gcgtc 1095

<210> 4646
<211> 2414
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2407)...(1949)
<223> similar to gi5824753 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4646
tttttttttt ttacagataa acatttttaat tgttttaata tattactttc atgatctttt 60
tgaaatcgca cttgtactgt actaatcaac agccaaagca tataagaaag tttaaaacca 120
aaaatattct gacatgaaca catgacagga accgctgcta tgtaaagtaa cataactgc 180
tccccagaa caatgatatt tttaggagat aattcatctt aaccatgtgc caggacaaaa 240
tttgtaatca aaggctggaa gaaatatata ttagtgctcg ctttttataa gtttatttta 300
catttttaaaa acagtatttt tctcataaaa aaaaaaatcc aggaagggcc taactccatg 360
gttttttata catatgtaca tgaaagctga cagagagcct gacaaatgtt ttggatgtaa 420
cagtatgaac acctatgagc tgggactact tttgaatcaa aattaaaaaa cccaaattaa 480
gcactgctta agaaaaaaaa aatccagttt ctgaacaacc aaaagagaac agagttagat 540
atgtacaaaa ccagggtatta aaaaacagaa agaaatacag cacacaaaaa actcaaacaa 600
cccatatgta gtgaactgta tatactgcag ttaatgaaaa ccctcctaca agaagtgatt 660
taggatttga aattttataa atctaagtac ttcagtaaca acatacaata acaacattaa 720

gtgtatattg	ccatctttgt	catttttctat	ctataccact	ctcccttctg	aaaacaagaa	780
tcactagcca	atcacttata	caaatttgag	gcaattaatc	catatttggt	ttcagtaagg	840
aaaaaaagat	gtacctcttc	ccgtcaataa	agaaataaca	caaattaaag	ctataaaatt	900
taagcatggg	catatgtatt	tccaattctc	cttaataagt	aattccaaac	tggaataatg	960
tggggtttgt	gactaagtag	taacaaaatta	aaagaaaata	gactgtctct	ggcagtgatt	1020
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tttaattcag	taggtgccaa	tttgagttta	taaaatcctt	aattttattc	tttgtgcaga	1140
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gtattttgct	actagtagta	tgaataccaa	ataaagatac	aaggattcaa	agtttggtga	1260
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gttttgaaca	ttctagttta	agattatctc	agaaaataat	tctctgtaat	ataactctga	1380
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ggaccctgta	actacgggct	ctcataagac	acatggagca	ggcagcaagg	ggctaaccat	1620
cagccgggta	aggtcaacgt	tggggtgttt	tattttggag	actttaaata	tttaacatgt	1680
agctcatgta	acttcagcat	ccactagtga	ctctgctggt	cagcacccaa	gggctggatg	1740
agtctgagga	atctccttta	accccaaagt	atgaatgcta	aagagtctca	aggaaaatttt	1800
gattcccagc	aagagttcac	aaaccatcag	accaatatca	ataaggtaaa	ctgtgactct	1860
aatgctccac	aaaagtaaaa	agaaatttcc	aaattaaatg	tcatcttctg	cccaacccta	1920
gactccagac	tttgtaacaa	catttttatc	tagtataata	gactctgtag	tagactgatt	1980
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catccagcaa	aggtctgttg	gcattctttt	tggctttctc	ttcacaaccg	atgttttctt	2160
cttcctcctc	gtcgtcatcg	ctggactcac	tgacatgcac	gctgacagca	gtgtttggag	2220
agtctgtcca	ttcaaaaatac	accccaaacc	caatgtcata	attgtctgtg	gcaaattccc	2280
aaaaaaaata	tgatccttct	tcatgggtgg	gtactcgaac	agtgaccact	tctcctcggc	2340
ccactgtaat	cacggaatct	gcatectgct	gaatcctctc	tttgaagtct	ttgatctgag	2400
gtcgtgtaca	ccta					2414

<210> 4647
 <211> 3183
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2)...(1511)
 <223> similar to gi642252 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4647						
tgaaatcgaa	ttgccgtgct	cagaggattt	gaattttggaa	actttgtccc	aagcacatgt	60
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atcagcattt	aactgtttgc	ataaatattgc	caaagatttt	atgacttatt	tgtccgcacc	180
taatgcttct	gttacaggtc	ctcataacct	agaaacttgt	ctgagcgtgg	tgtctgtgtc	240
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tggacttcta	tttttgggag	gaggaaggta	ctctttgagc	acatcaaatt	cttccattgc	420
cgctcttctc	tgtgcccttt	atccgcactt	cccagctcac	agcactgaca	accggtatca	480

tctccaggct	ctccggcacc	tctatgtgct	ggccgcggag	cccaggcttc	tagtgctgt	540
ggatgtggac	acaaacacgc	cctgctatgc	cctcttagaa	gttacctaca	agggcactca	600
gtggatgaa	caaaccaaag	aagaattgat	ggctcctacc	cttcttccag	aactccatct	660
tttaaagcag	attaaagtaa	aaggcccaag	atactgggaa	ctgctcatag	atttaagcaa	720
aggaacacaa	cacttgaagt	ccatcctttc	caaggatggg	gttttatatg	ttaaactccg	780
ggcgggtcag	ctctcctaca	aagaagatcc	aatgggatgg	caaagtttgt	tggctcagac	840
tgttgctaac	aggaactctg	aagcccgggc	tttcaagcca	gaaacaatct	cagcattcac	900
ttctgatcca	gcacttctgt	catttgctga	atatttctgc	aagccaactg	tgaacatggg	960
tcagaaacag	gaaattctgg	atctcttttc	ttcagtactc	tatgaatgtg	ttaccagga	1020
gacccagag	atggtgcctg	catacatagc	aatggatcag	gctataagaa	gacttgggag	1080
aagagaaatg	tctgagactt	ctgaactttg	gcagataaag	ttggtgttag	agtttttcag	1140
ctcccgaagc	catcaggagc	ggctgcagaa	ccaccctaag	cgggggctct	ttatgaactc	1200
ggaattcctc	cctgttgtga	agtgcaccat	tgataatacc	ctggaccagt	ggctacaagt	1260
cgggggtgat	atgtgtgtgc	acgcctacct	cagcgggcag	cccttggagg	aatcacagct	1320
gagcatgctg	gcctgcttcc	tcgtctacca	ctctgtgcc	gctccacagc	acctgccacc	1380
tataggacta	gaaggagca	caagctttgc	tgaactgctc	ttcaaattta	agcagctaaa	1440
aatgccagtg	cgagctttgc	tgagattggc	tcctttgctt	cttggaaatc	cacagccaat	1500
ggtgatgtga	ccgtgtctgg	cggtgaacct	accctgaaac	gtgacttctg	cacaacaaac	1560
gtgaccaaac	atcaaagcta	aagcaatggt	tataaagttt	tatggtataa	ctagggggaa	1620
atgagctgca	caaacctcaa	tgtattttta	atctgttgct	gtcatcatta	acggtatatg	1680
acataataaa	gcaagttaaa	atttactttt	gtaaataaag	tttttggttt	gtttccaaaa	1740
ctcttgatga	ttgctttagt	tttggtactta	tagaatagag	caggggttgc	tggagtgaat	1800
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tccagaattg	ccaagaaaat	acattttccg	tcgttgaaac	ccaccagtc	tgtggtattt	2400
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attactacag	agggtctctt	agaaattgta	tttaaaaaca	agacaatcca	tatttaccta	2520
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tgttcatata	aaggcacctc	cagcttcgag	ttgccaacac	aggaggaaga	atgctccctg	2640
ctgttcagat	gctgatatgt	gtcctgtgct	tcctggaatg	gccagtggga	tcataagctg	2700
gtagaagcaa	gaccttcac	cactgacttc	atatttcttc	cacatcctga	actgtgggtg	2760
ttgactttta	aaataaatta	aagcaaatag	aaatgtttcc	cattgagatt	ttggcaaaaa	2820
cccacatgac	atttgcgtct	gccagagtag	acttggaagg	catgcaccct	ggaggccaag	2880
tggtatcttc	tggactctct	gtccttgcat	ttgcgtggct	gccccgagga	ctcgcttctt	2940
cctggatgtg	aagcagaggc	acgatggggc	tgactgagag	gctgaaatgt	gcttctcttc	3000
acagttacat	agttttcttc	taattaaaaa	taaattttta	gtggtagatt	atgaaaattc	3060
catttgaatc	aagattttta	aaattcaata	tcaaaccagt	tgttactgtc	ttcaactctc	3120
gttgtttacg	attgtgtgct	tttccctgaa	taaagaatga	ctggagagac	attaaaaaaa	3180
aaa						3183

<210> 4648
 <211> 1633
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (2)...(549)
 <223> similar to gil854550 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4648

cgccgtcccc	tacacggatg	aggccccggcg	gtcgcgcctc	aaccggctgt	acggaatcca	60
aggcatcccc	acgctcatca	tgctggaccc	gcagggcgag	gtgatcacgc	ggcaggggcg	120
ggtggagggtg	ctgaacgacg	aggactgccg	ggagttcccc	tggcacccca	agcccgtgct	180
ggagctctcc	gactccaacg	ccgcgcagct	taacgagggc	ccctgcctcg	tcctttttgt	240
agattctgag	gatgacggag	agtccgaggc	ggccaagcag	ctgattcagc	cgatagctga	300
gaaaatcatt	gccaagtaca	aagccaaaga	ggaggaggca	ccccttctgt	tcttcgtagc	360
cggggaggat	gacatgactg	actccctgcg	agattacacc	aacctgcctg	aggctgcccc	420
tttgctcacc	atcctggaca	tgtcagcccc	ggccaagtac	gtgatggacg	tggaggagat	480
cacccccgcc	atcgtggagg	cctttgtgaa	tgacttccta	gcagagaagc	tcaaaccgga	540
gcccatctag	cgtggctccg	gcctcctgag	acgttattta	aaactcagcc	ttctcctcct	600
ccccctcctt	ccttcgcgcc	ttggacttac	ccagcgtgcc	ccgaatccca	ccacccaagt	660
gtccagcctc	tctgtggtgc	cttgtttctg	cagtaaaactc	ctcagccagc	accctgggggt	720
gcggaatcag	cagcggcaga	gtccaccgtg	tttggagact	ctgtttggga	gcacgggatg	780
gccggggggcc	cggccagagc	ggggctgcat	ggctttcgca	aagtcactag	cttttgggtga	840
aggatctgcc	aggggtgtcct	gggcagagtg	agcgtggagg	gccggtgggt	cccgtcgggg	900
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acctgcgtgg	aggctgagct	gagaaaaggc	ctccgcttag	agctgcgggt	gaggacgtcc	1020
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atgtagctaa	ggtaatggtt	catatcatac	aaacagctcc	cacgatcctg	aaattctgtt	1200
aacgaatcct	tctctttgga	catcttccca	agaaacttag	ccctgagtcc	taggaggagc	1260
acctctgcac	cagcacggac	ctctcgctcc	acccagctct	gtgcccgaag	cccctgatct	1320
ctgctgaggt	gcccacaccc	acgttcgata	acccctgcc	ttccctttta	ttttcttttt	1380
tttgagatgg	agtcttgctc	tgtcgcccag	gctggagtgc	agtggcacca	tcttggtctc	1440
cttcaacctc	cgcccccaag	gttcaagtga	ttctcctgcc	tcagcctccc	gagtagctgg	1500
gattacaggc	acccgccacc	gtacctggct	aatttttgta	tttttagtag	agatgggggt	1560
tcaccatggt	ggccaggctg	gtctcgaact	cctgacctca	gtgatcacc	gcttcggctc	1620
caaaggctgg	gat					1633

<210> 4649
 <211> 2214
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(2215)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (2192)...(1784)
 <223> similar to gi215136 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 4649
atcaaaatag gcaaaggctg ttgggaaggg caaatTTTTT aacgccctgt tttggctttg 60
cctccgacaa taaaagataa ccccatccta cgaatatcaa gaccaacttc catttccgca 120
ataaaatcac caaactccgt tgccccggta aacaacagcc cagttcccat tgcaaagtct 180
gaagcccaac atggtgatga ttctgctgct tgataaattt tcaggatttc gtcagccgta 240
agtcttgatc tccttacctc tgatttttgc gcgcgagtgg cagcgacatg gtttggttgt 300
atatggcctt cagctattgc ctctcggaat gcatcgctca gtgttgatct gattaacttg 360
gctgacgccg ccttgccctc gtctatgtat ccattgagca ttgccgcaat ttcttttgtg 420
gtgatgtcct caagtggagc atcaggcaga cccctcctta ttgctttaat tttgctcatg 480
taatttatga gtgtcttctg cttgattcct ctgctggcca ggattttttc gtagcgatca 540
agccatgaat gtaaccgtaa cggaattatc actgttggat tctcgctgtc agaggcttgt 600
gtttgtgtcc tgaaaataac tcaatgttgg cctgtatagc ttctagtgat tgcgattcgc 660
ctgtctcttg cctaatacaa actctttaac ccgtcccttg gggccccctg gtaagcaagt 720
aaatatccca ttgtttcctt aataataaaa ggtaaggagg gtaaaatccc ggcgctcatg 780
acttcggcct tccttcccca tttctggatc ctcttcaaaa aggccacctg ttactgggtc 840
gatttaagtc aacctttacc gctggattcg tgggaacagg atactctctt ccatccttaa 900
ccggaggtgg gaatatcctg cattcccgaa cccatcgacg aactgtttca aggccttctg 960
gacgtcgctg gcgtgcgttc cactcctgaa gtgtncaan acatcgcaaa gtctccgnaa 1020
ttacacgcag aaaaaaaccc ccaatcaggc ggcttgggtg tcttcagggt cntcaattcg 1080
aatattgggt acgtctgcat gtgctatctg cgcccatatc atccagtggg cgtagnagnc 1140
gttgatgttc tccgcttcga taactctgtt gaatggctct ccattccatt ctccgtgtgac 1200
tcggaagtgc atttatcatc tccataaaac aaaacccgcc gtagcgagtt cagataaaat 1260
aaatccccgc gagtgcgagg attgttatgt aatattgggt ttaatcatct atatgtttt 1320
tacagagagg gcaagtatcg tttccaccgt actcgtgata ataattttgc acggtatcag 1380
tcatttctcg cacattgcag aatggggatt tgtcttcatt agacttataa accttcatgg 1440
aatatttgta tgccgactct atatctatac cttcatctac ataaacacct tcgtgatgtc 1500
tgcatgggag acaagacacc ggatctgcac aacattgata acgccaatc tttttgctca 1560
gactcttaac tcattggata cttcatttat taaactcctt ggcaatgtat gtcgtttcag 1620
ctaaacggta tcagcaatgt ttatgtaaag aaacagtaag gataataact caaccgatg 1680
tttgagtacg gtcacatct gacactacag actctggcat cgctgtgaag acgacgcgaa 1740
attcagcatt ttcacaagcg ttatctttta caaaacccgat ctactctcc tttgatgcga 1800
atgccagcgt cagacatcat atgcagatac tcacctgcat cctgaacca ttgacctcca 1860
accccgtaat agcgatgcgt aatgatgtcg atagttacta acgggtcttg ttcgattaac 1920
tgccgcagaa actcttccag gtcaccagtg cagtgttga taacaggagt cttcccagga 1980
tggcgaaaca caagaaactg gtttccgtct tcacggactt cgttgctttc cagtttagca 2040
atacgcttac tcccatccga gataaacct tcgtaatact cagctgctc gttgagtttt 2100
gattttgctg tttcaagctc aacacgcagt ttccctactg ttagcgcaat atcctcgttc 2160
tcctggctgc ggctcggtgc gaattcctgc agcgcggcgc aaaagcggtc gaag 2214

```

<210> 4650

<211> 435

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (8)...(296)

<223> similar to gi458692 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters


```

<400> 4650
ggaattcgtc aagatctgga caccacacagc taaagctgcc actgatctta ctgggttaaa      60
gaaggtgatt aagaagaaca agtgggaacg agatgaagac agcttgcacc atggcagcct      120
gtttgaccag tacatgcttt ggttcctcct gcgtcacgtg acgcagagag gtcgtcacca      180
ggactggaga agtgggtgaag ctgaatttcc agatgaagaa tcggatgagt cttccagcac      240
ttcagagaca tctgaggagg aggtccaaga ccgagtgcag tgcattgccat cctgaaggcc      300
tcatatccag tccagctaca tgccacctaa gtacactgga cttttaaatt cagtttgact      360
aatttagaat tgtcaataga ttaatagatt tgctttttgt cttctatttt ccataatata      420
tgctgaaaac cgtct                                     435

```

```

<210> 4651
<211> 473
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (474)...(319)
<223> similar to gi623604 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4651
gcgggtggaat tccttcagca tcaaatactc tcccctgcc a tacctctccc aaaaaggaga      60
ccagtaaagt gaagttttta gccagaggca gccagacaag ctcccaagga attagaatag      120
cttccaggca ccaagatgtc actactcaaa gatgacccga tacagcaggg ataggcgaga      180
cacattaact tcagaggatg tggcaggagt gaagaccacc tgcccagtca cctgccacac      240
gcaacagccc agggccccggc aggggtgacc tctgcagagc tgccccacca agacccctgg      300
atactcctcc acgctcctaa gtcacttacc tcaccaaagt gcttctcgat gatgttcaaa      360
gccgactggc caatttgacg gttctcatgc agctgtaaag cctcaattct atcgatccca      420
ccaagttctt ctatcagaag acacagggtt tccttctcag accagttctc tgc                                     473

```

```

<210> 4652
<211> 1722
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1723)
<223> n = a,t,c or g

<220>

```

<221> misc_feature
 <222> (1)...(1480)
 <223> similar to gi4589281 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4652

cctcctctaa	gtcttgagcc	cgcagttcct	gagagaagaa	ccctgaggaa	cagacgttcc	60
ctcgcggcc	tggcacctct	aaccccagac	atgctgctgc	tgctgctgcc	cctgctctgg	120
gggagggaga	gggcggaagg	acagacaagt	aaactgctga	cgatgcagag	ttccgtgacg	180
gtgcaggaag	gcctgtgtgt	ccatgtgccc	tgctccttct	cctacccctc	gcatggctgg	240
atttaccctg	gcccagtagt	tcatggctac	tggttccggg	aaggggcca	tacagaccag	300
gatgtccag	tggccacaaa	caaccagct	cgggcagtgt	gggaggagac	tcgggaccga	360
ttccacctcc	ttggggaccc	acataccaag	aattgcaccc	tgagcatcag	agatgccaga	420
agaagtgatg	cggggagata	cttctttcgt	atggagaaa	gaagtataaa	atggaattat	480
aaacatcacc	ggctctctgt	gaatgtgaca	gccttgaccc	acaggcccaa	catcctcatc	540
ccaggcacc	tggagtccgg	ctgccccag	aattctgacct	gctctgtgcc	ctgggcctgt	600
gagcagggga	caccccctat	gatctcctgg	atagggacct	ccgtgtcccc	cctggacccc	660
tccaccaccc	gctcctcggt	gctcacccctc	atcccacagc	cccaggacca	tggcaccagc	720
ctcacctgtc	aggtgacctt	ccctggggcc	agcgtgacca	cgaacaagac	cgtccatctc	780
aacgtgtcct	acccgcctca	gaacttgacc	atgactgtct	tccaaggaga	cggcacagta	840
tccacagtct	tgggaaatgg	ctcatctctg	tcaactcccag	agggccagtc	tctgcgcctg	900
gtctgtgcag	ttgatgcagt	tgacagcaat	ccccctgcca	ggctgagcct	gagctggaga	960
ggcctgaccc	tgtgcccctc	acagccctca	aacccggggg	tgctggagct	gccttgggtg	1020
cacctgaggg	atgaagatga	attcacctgc	agagctcaga	accctctcgg	ctctcagcag	1080
gtctacctga	acgtctccct	gcagagcaaa	gccacatcag	gagtgactca	nggggcggtc	1140
gggggagctg	gagccacagc	cctggtcttc	ctgtccttct	gcgtcatctt	cgttgtagtg	1200
aggctcctgca	ggaagaaatc	ggcaaggcca	gcagcgggcg	tgggagatac	gggcatagag	1260
gatgcaaacg	ctgtcagggg	ttcagcctct	caggggcccc	tgactgaacc	ttgggcagaa	1320
gacagtcccc	cagaccagcc	tccccagct	tctgcccgt	cctcagtggg	ggaaggagag	1380
ctccagtatg	catccctcag	cttccagatg	gtgaagcctt	gggactcgcg	gggacaggag	1440
gccactgaca	ccgagtactc	ggagatcaag	atccacagat	gagaaactgc	agagactcac	1500
cctgattgag	ggatcacagc	ccctccaggc	aagggagaag	tcagaggctg	attcttgtag	1560
aattaacagc	cctcaacgtg	atgagctatg	ataacactat	gaattatgtg	cagagtgaaa	1620
agcacacagg	ctttagagtc	aaagtatctc	aaacctgaat	ccacactgtg	ccctcccttt	1680
tatTTTTTTT	actaaaagac	agacaaattc	ctaaaaaaaa	aa		1722

<210> 4653
 <211> 1812
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1606)...(1309)
 <223> similar to gi841318 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4653

```
ccagcgagg gtaatgatga ggggggcaat ccaggggtca ctaaaacctt gggcagcact 60
tgctgggtct gctgggttacc gccattcttc gctaacttac ttccagggtca aagggtctggg 120
aagaaggggag ggagctagac agctggaacc agccaggga cgcggcagct tgcaccccag 180
gactgaagt gcagcgagga caggcgccat ccccactgg cagcctggcc ctcccgtct 240
caggcctctt cacaatgggg tgcataatgt aagttgggtg gtctgaacca acccagaact 300
gaggggtgag gtggagtctt agttccaaaa ccactgtggg tgtgacagca tgaagccctc 360
gctgtgaaga ggagccctcc catttctcaa tgggtgtgtca gggaactgac acccacttct 420
agctccctgc ccccatcagg gccgaggtag tgggggtctg ccctgtcccc catgccccgc 480
cccatgggtga gtctgcaccc ttctgtgac agatccccc gcaggccaca caatagagaa 540
tctggatcta ttgaaacatg tttaaaacgg ggttgggtcac aacaggatgg gcacaaatgg 600
gagcggggga ggggagtggg gccgcaccag cccctgccag tgcctgaggc tgcagcctgg 660
cgagtgcctt tgcttctgct tctccacgct ggtggttcga gatggtccca agccccactg 720
gggcaggccc tgccttgccc tgcagaggca ggggtggctcc acttccccat ctctcccccc 780
atgggctgca ggggcattta tgatgcccac cagggtggcac tgtcgcgctc ctctctccct 840
gtctccgtgg ctcaaaaca ggttaagggg agaggtagat ggggagacgt gggggccaca 900
cagtctccgg tggcagttag ggagcttggg accctgaggg gggcatgctg actccttgct 960
ggagaaaagg cacctagata ggggagctgg gcttgggggc ctcccagggg gtcctggggg 1020
gaggtgggga gggaggctga acgaagcagg aagcagggtg gtgggcagac cccaatcctg 1080
gtttccaaac cctcaccggc tgcgggagaa ggaagaagga aggagtcctg gagcagagcc 1140
ctgccctggt cccctacgcc tgagcaagcc tcatccctt cccacctggc cccacgcaa 1200
gcccagctcg acctccttcc cacttcccc ctgccggctc caggccttcc gcagaggggg 1260
tggaaggtta cagaggcctc aggcctgtct ggtgccgggg tccacctct tgtgggcca 1320
gagctccttg tgctgcttgc ggccaaaccc ctctgcttag ttgcctttgc tcttaaagc 1380
ctgctggaag tgggggttgc agtagaactc cccgtgcagc gcggcgtagc tgcccaggct 1440
gagcttgggt tgacagtgtc tgcagcagaa gcaagagttg tggaaaatga gcttgtcggc 1500
caccagccgc tccatggggg acacgggtct ctggcaggcg gcgcaggctc ccttcacctg 1560
ggcccgcagg ctgaaggact tggagcgtct caccgtgctg ctgccgccgc ctttggcgct 1620
atgagagggg gtggcctggg cggctcctgc agcctggaac atggctcgtt ggaggtgaa 1680
gcctcgggtg gagaagcggc acccgctggg ttcaggcccg gcctgggccg cggggcggga 1740
tcgggtctcg ggggcgcacg ggtacgagga gggcgcgggc gcgagctgcc ggacgcgtgg 1800
gtcgacccga gg 1812
```

<210> 4654

<211> 4602

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(4603)

<223> similar to gi5689453 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4654

```
gcatctggaa atcttgacaa aaatgccaga ttttctgcca tctacaggca agacagcaat 60
aagctatcca atgatgacat gctcaagtta ctgagcagct ttcggaacc tgagaagatg 120
gctaagctcc cagtgatctt aggcaatcta gacattacaa ttgataatgt ttctcagac 180
ttccctaatt atgttaattc atcatacatt cccacaaaac aatttgaaac ctgcagtaaa 240
actcccatca cgtttgaagt ggaggaatct gtgccctgca taccaaaaca cactcagcct 300
```

tacaccatct	acaccaatca	cctttacgtt	tatcctaagt	acttgaaata	cgacagtcag	360
aagtcttttg	ccaaggctag	aaatattgcg	atttgcattg	aattcaaaga	ttcagatgag	420
gaagactctc	agccccctaa	gtgcatttat	ggcagacctg	gtgggccagt	tttcacaaga	480
agcgcctttg	ctgcagtttt	acaccatcac	caaaacccag	aattttatga	tgagattaaa	540
atagagttgc	ccactcagct	gcatgaaaag	caccacctgt	tgctcacatt	cttccatgtc	600
agctgtgaca	actcaagtaa	aggaagcacg	aagaagaggg	atgtcgttga	aacccaagtt	660
ggctactcct	ggcttccccct	cctgaaagac	ggaagggtgg	tgacaagcga	gcagcacatc	720
ccggtctcgg	cgaaccttcc	ttcgggctat	cttggtacc	aggagcttgg	gatgggcagg	780
cattatggtc	cggaaattaa	atgggtagat	ggaggcaagc	caactgctgaa	aatttccact	840
catctggttt	ctacagtgtg	tactcaggat	cagcatttac	ataatttttt	ccagtactgt	900
cagaaaaccg	aatctggagc	ccaagcctta	ggaaacgaac	ttgtaaagta	ccttaagagt	960
ctgcatgcga	tggaaggcca	cgtgatgac	gccttcttgc	ccactatcct	aaaccagctg	1020
ttccgagtc	tcaccagagc	cacacaggaa	gaagtcgcgg	ttaacgtgac	tcgggtcatt	1080
attcatgtgg	ttgcccagtg	ccatgaggaa	ggattggaga	gccacttgag	gtcatatgtt	1140
aagtacgcgt	ataaggctga	gccatatgtt	gcctctgaat	acaagacagt	gcatgaagaa	1200
ctgaccaaat	ccatgaccac	gattctcaag	ccttctgccc	atttccctcac	cagcaacaaa	1260
ctactgaagt	actcatgggt	tttctttgat	gtactgatca	aatctatggc	tcagcatttg	1320
atagagaact	ccaaagttaa	gttgctgcga	aaccagagat	ttcctgcac	ctatcatcat	1380
gcagtggaaa	ccgttgtaaa	tatgctgatg	ccacacatca	ctcagaagtt	tcgagataat	1440
ccagaggcat	ctaagaacgc	gaatcatagc	cttgctgtct	tcacacagag	atgtttcacc	1500
ttcatggaca	ggggctttgt	cttcaagcag	atcaacaact	acattagctg	ttttgctcct	1560
ggagacccaa	agacctctct	tgaatacaag	tttgaatttc	tcogtgtagt	gtgcaaccat	1620
gaacattata	ttccgttgaa	cttaccaatg	ccatttgga	aaggcaggat	tcaaagatac	1680
caagacctcc	agcttgacta	ctcattaaca	gatgagttct	gcagaaacca	cttcttggtg	1740
ggactgttac	tgaggggagg	ggggacagcc	ctccaggagt	tcggggagg	ccgtctgatc	1800
gccatcagtg	tgctcaagaa	cctgctgata	aagcattctt	ttgatgacag	atatgcttca	1860
aggagccatc	aggcaaggat	agccaccctc	tacctgcctc	tgtttggtct	gctgattgaa	1920
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agcaccctgg	acaacagctc	gcacaaggac	ctgtggggcg	ccatctccgg	cattgcttct	2100
ccatatacaa	cctcaactcc	aaacatcaac	agtgtgagaa	atgctgattc	gagaggatct	2160
ctcataagca	cagattcggg	taacagcctt	ccagaaagga	atagtgagaa	gagcaattcc	2220
ctggataagc	accaacaaag	tagcacattg	ggaaattccg	tggttcgctg	tgataaactt	2280
gaccagtctg	agattaagag	cctactgatg	tgtttccctc	acatcttaaa	gagcatgtct	2340
gatgatgctt	tgtttacata	ttggaacaag	gcttcaacat	ctgaacttat	ggattttttt	2400
acaatatctg	aagtctgcct	gcaccagttc	cagtacatgg	ggaagcgata	catagccaga	2460
acaggaatga	tgcatgccag	attgcagcag	ctgggcagcc	tgataaactc	tctcactttt	2520
aaccacagct	atggccactc	ggacgcagat	gttctgcacc	agtcattact	tgaagccaac	2580
attgctactg	aggtttgctt	gacagctctg	gacacgcttt	ctctattttac	attggcggtt	2640
aagaaccagc	tcctggccga	ccatggacat	aatcctctca	tgaaaaaagt	ttttgatgtc	2700
tacctgtgtt	ttcttcaaaa	acatcagttc	gaaacggctt	taaaaaatgt	cttactgcc	2760
ttaaggctct	taattttata	gtttccctca	acattctatg	aaggggagagc	ggacatgtgt	2820
gcggctctgt	gttacgagat	tctcaagtgc	tgtaactcca	agctgagctc	catcaggacg	2880
gaggcctccc	agctgctcta	cttccctgat	aggaacaact	ttgattacac	tggaaagaag	2940
tcctttgtcc	ggacacattt	gcaagtcac	atatctgtca	gccagctgat	agcagacggt	3000
gttggcattg	ggggaaccag	attccagcag	tcctgtcca	tcacacaa	ctgtgccaac	3060
agtgaccggc	ttattaagca	caccagcttc	tcctctgatg	tgaaggactt	aacccaaaagg	3120
atacgcacgg	tgctaattgg	caccgcccag	atgaaggagc	atgagaacga	cccagagatg	3180
ctggtggacc	tccagtacag	cctggccaaa	tcctatgcc	gcacgcccga	gctcaggaa	3240
acgtggctcg	acagcatggc	caggatccat	gtcaaaaatg	gcgatctctc	agaggcagca	3300
atgtgctatg	tccacgtaac	agccctagt	gcagaatatc	tcacacggaa	agaagcagtc	3360
cagtgggagc	cgccttctct	ccccacagc	catagcgctt	gcctgaggag	gagccgggga	3420
ggcgtgttta	gacaaggatg	caccgccttc	agggtcatta	ccccaaacat	cgacgaggag	3480
gcctccatga	tggaagacgt	ggggatgcag	gatgtccatt	tcaacgagga	tgtgctgatg	3540
gagctccttg	agcagtgcgc	agatggactc	tggaaagccg	agcgctacga	gctcattgcc	3600
gacatctaca	aacttatcat	ccccatttat	gagaagcgga	gggattttga	gaggctggcc	3660
catctgtatg	acacgctgca	ccgggcctac	agcaaagtga	ccgaggtcat	gcactcgggc	3720

```

cgcaggcttc tggggaccta cttccgggta gccttcttcg ggcaggcagc gcaataccag 3780
tttacagaca gtgaaacaga tgtggaggga ttctttgaag atgaagatgg aaaggagtat 3840
atttacaagg aacccaaact cacaccgctg tcggaaatct ctcagagact ccttaaactg 3900
tactcggata aatttggttc tgaaaatgtc aaaatgatac aggattcttg caaggtcaac 3960
cctaaggatc tggattctaa gtatgcctac atccagggtga ctacacgtcat ccccttcttt 4020
gacgaaaaag agttgcaaga aaggaaaaaca gagtttgaga gatcccacaa catccgccgc 4080
ttcatgtttg agatgccatt tacgcagacc gggaagaggc agggcggggt ggaagagcag 4140
tgcaaacggc gcaccatcct gacagccata cactgcttcc cttatgtgaa gaagcgcatc 4200
cctgtcatgt accagcacca cactgacctg aaccccatcg aggtggccat tgacgagatg 4260
agtaagaagg tggcggagct ccggcagctg tgctcctcgg ccgaggtgga catgatcaaa 4320
ctgcagctca aactccaggg cagcgtgagt gttcagggtca atgctggccc actagcatat 4380
gcgcgagctt tcttagatga tacaacaca aagcgatatc ctgacaataa agtgaagctg 4440
cttaaggaag ttttcaggca atttgtggaa gcttgcggtc aagccttagc ggtaaacgaa 4500
cgtctgatta aagaagacca gctcgagtat caggaagaaa tgaaagccaa ctacagggaa 4560
atggcgaagg agctttctga aatcatgcat gagcagctgg ga 4602

```

```

<210> 4655
<211> 1643
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1644)...(1576)
<223> similar to gi4884249 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4655
ttaccgcggg ccctcaccag atgaggaccc aaaacttggc ccgcccacct ccgcttaagc 60
caaaaaccgc cgctttcaaa tcgccaatca aattcttctt tggtctcgag tctctcagcc 120
ggccgcgctc tccgatgcc agccctcctg gaaccacctc gctgtgacg taggtggagc 180
gcgcactgcc tccgggtccg tctttctcaa ttgggaccgg aaaacgttgt cgctcatcct 240
atgacgcgaa agtaaccgag actatcagga tccggagacg gaaatgtccg aaggccgcag 300
tacttgaccc tgtatttttg gagtcgaacg gagtaagtta caagcggcct atagggtcgc 360
acagcttggg cgaagtctaa ttaactctcc gtcctttttc ttgcggggcca ctctatcatc 420
tatcgtcctt cttaccccgcc cccccgctc tgcaacacca tcagttcctt ggccatagta 480
tctatgcgca cgcgcaaaag tcttcggcag cacttgtagt tcccgttttc agacagtagg 540
ggcgcatagg ggcccgccgt ggggaggttt ggggcgcgcc cggcctatga cggcgctcctt 600
gcggaagtac ggggtccgag agaagcagta gtcaataaag agagtgccgt atttcgcaga 660
ttggagctga gctgtggctg ccagaagata gcgaacgaat ggaaactgaa agtggaaatc 720
aggaaaaggt aatggaagaa gaaagcactg aaaagaaaaa agaagttgaa aaaaagaaac 780
ggtcacgagt taaacagggt cttgcagata ttgctaagca agtggacttc tggtttgggg 840
atgcaaatct tcacaaggat agatttcttc gagaacagat agaaaaatct agagatggat 900
atgttgatat atcactactt gtgtctttta acaaaatgaa aaaattgact actgatggga 960
agttaattgc cagagcattg agaagttcag ctgttgtaga gcttgatttg gaaggcacca 1020
gaatccggag gaaaaaacct ctgggggaaa gaccaaagga tgaggatgaa cgcacagtgt 1080
atgtggagtt acttcccaaa aatgttaatc acagctggat tgaaagagta tttgggaaat 1140
gtggcaatgt tgtttatata agtataccac attataagtc tactggagat ccaaagggat 1200
ttgcgtttgt ggaatttgaa acaaaagaac aagcagcaaa agcaattgag tttcttaaca 1260
accaccaga agaagcacca agaaaacctg gcatatttcc taaaacagtg aaaaataagc 1320

```

004373E 013100

```
ccattccagc cttaagagtt gtggaagaga agaaaaagaa aaagaagaag aaaggccgaa 1380
tgaaaaagga agacaatatc caagccaaag aagaaaacat ggacacaagc aacaccagca 1440
tcagtataat gaaaagatcc agaccacat ctgagggtc tgacattgag tccactgaac 1500
cccaaaagca gtgctcaaag aaaaagaaaa aacgggacag agttgaagca tctagcttac 1560
ctgaagtcag aacagggaag aggaagagaa gcctgggccc cgtaactcag ctctcttttg 1620
tggttttctt catggctttt ttt 1643
```

```
<210> 4656
<211> 1297
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(1298)
<223> n = a,t,c or g
```

```
<220>
<221> misc_feature
<222> (1242)...(461)
<223> similar to gil504032 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 4656
tttttttttt ttgggggtcat atttttgttc actgaaagga ccaaccagtt tcatcaaaac 60
aaagcttttag agaaagagaa actgagtaat tcatcttgtc agttacagtt cacatatatg 120
cacacacata caaactggct cagcatcagt gaaacataac tattcaaata caaaagtata 180
aaaaacctct ttaaaaaacc aatagcagcc aaaacagaac atttgtaaac aaaaccacaa 240
ctatcagccc tgtgcttaaa cacagaatct gcattctttt gaaacattaa gtatatgcaa 300
taaagagaat atagaccatc tttttcctta atatacaata cccaatatct aaaacaatgt 360
caccaataat agacacaaat cgggtgttatc ataaggcatg ttgaacagtc tttttcacag 420
tactcagggg catcatgttg ctgcagaggc cacactttcc agaagttttc tcctcgctgt 480
gatcctcgca caccgggggc actcggagga ctggaagcac tgtttggtgaa agcaagccct 540
gcacgctgaa catcttctac atgttgctgt ctgaaatggg aagatgacag tcgtattctg 600
gcaaaattca caaataaagc cttttccttg acacagctca cagccagcca catgtgcaag 660
ggaagctttc agaatgtcct tgagtaaggg tgccagcagc cttttcttga tcctgaccag 720
gtcctcaagg gagaacaggt ggagctcatc agtcaagtgt cccggcacct gctcgaaactc 780
ctttaatgca ctggttagcaa acctacaggt cttcaacagc ttcttgatat ggaagagctg 840
ctcctgaatt tccttcactc tgtccagctc cttggctttc gcatacaggc tttggccgat 900
gctcagcaaa ttgaaaatgg gctggtgccca tatgctgtcg agcagctgtt tggagaaatt 960
gctgacgtag tacttcttga agtcccatc catcaggatt cgggcaggga tgcacgactc 1020
tgcatatgag tggcagcagt cacagaaata cttccctagg tattcgagc accggagccg 1080
cttcacaaac ttaggctcta ctggagttcc acagccggca cagaaaaaat tctgggctgc 1140
caccacaagg tcctcttga gtggtggatg aatattaaat atgatttcaa atctaggagg 1200
agcccagctc tcagtcctc tgatcctaga cttaaattta atttcctgta ctacattcat 1260
actggattca aagtcttttc ggtnncccc aactga 1297
```


<211> 6774
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (323)...(3989)
 <223> similar to gil877215 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4658

ccggacagtg	ccgtggaatt	cgagggtttc	agattattaa	cgtttttagtg	tagtcgatgt	60
atttccatca	catgtatcgc	ggggacttgg	cagtttatcc	tttgctcccc	agctctcctt	120
acacagccac	cctccgtctc	ccttaccac	ctaccacttt	catgaagaga	ataaaaccag	180
taggaagctc	aggtacatag	tgtttcatca	ctgtctccct	tactgctttt	ttaatgacag	240
gctgtgctgt	cataaataca	cttgggtttg	tttgaatcac	tagaaaagcc	caatatgata	300
aatgtaaaca	tgtgtggttt	aagatttgca	gtcctgcttg	atttgctggg	caagaagagt	360
tcccatgaag	gaaagaccag	ttcttccttc	atcagaaagt	tttactactc	gccaggatct	420
ccaaggcaag	atcacgtctc	tggataccag	caccatgaga	gcagccatga	aaccaggctg	480
ggaggacctg	gtaagaaggt	gtattcagaa	gttccatgcg	cagcatgaag	gagaatctgt	540
gtcctatgct	aagaggcatc	atcatgaagt	actgagacaa	ggattggcat	tcagtcaa	600
ctatcgtttt	tccttgtctg	atggcactct	tgttgctgca	caaacgaaga	gcaaactcat	660
ccgttctcag	actactaatg	aacctcaact	tgtaatatct	ttacatatgc	ttcacagaga	720
gcagaatgtg	tgtgtgatga	atccggatct	gactggacaa	acgatgggga	agccactgaa	780
tccaattagc	tctaacagcc	ctgcccata	ggccctgtgc	agtgggaacc	caggtcagga	840
catgaccctc	agtagcaata	taaattttcc	cataaatggc	caaaggaac	aaatgggcat	900
gcccatgggc	aggtttggtg	gttctggggg	aatgaaccat	gtgtcaggca	tgcaagcaac	960
cactcctcag	ggtagtaact	atgcactcaa	aatgaacagc	ccctcacaaa	gcagccctgg	1020
catgaatcca	ggacagccca	cctccatgct	ttcaccaagg	catcgcatga	gccctggagt	1080
ggctggcagc	cctcgaatcc	cacccagtca	gttttcccc	gcaggaagct	tgcatctccc	1140
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acttcaggcc	ctcagcgagg	ggcacggggt	ctcattaggg	tcacgtttgg	cttcaccaga	1260
cctaaaaatg	ggcaatttgc	aaaactcccc	agttaatatg	aatcctcccc	cactcagcaa	1320
gatgggaagc	ttggactcaa	aagactgttt	tggactatat	ggggagccct	ctgaagggtac	1380
aactggacaa	gcagagagca	gctgccatcc	tggagagcaa	aaggaaacaa	atgaccccaa	1440
cctgcccccg	gccgtgagca	gtgagagagc	tgacgggcag	agcagactgc	atgacagcaa	1500
agggcagacc	aaactcctgc	agctgctgac	caccaaactc	gatcagatgg	agccctcgcc	1560
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gtctacacat	ggaacctcgc	tcaaggagaa	gcataaaatt	ttgcacagac	tcttgacagga	1680
cagcagttcc	cctgtggact	tggccaagtt	aacagcagaa	gccacaggca	aagacctgag	1740
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ccccagaag	aaagagaatg	cactacttcg	ctatttgcta	gataaagatg	atactaaaga	1860
tattggttta	ccagaaataa	ccccaaaact	tgagagactg	gacagtaaga	cagatcctgc	1920
cagtaacaca	aaattaatat	caatgaaaac	tgagaaggag	gagatgagct	ttgagcctgg	1980
tgaccagcct	ggcagtgcgc	tggacaactt	ggaggagatt	ttggatgatt	tgagaatatg	2040
tcaattacca	cagcttttcc	cagacacgag	gccaggcgcc	cctgctggat	cagttgacaa	2100
gcaagccatc	atcaatgacc	tcatgcaact	cacagctgaa	aacagccctg	tcacacctgt	2160
tggagccag	aaaacagcac	tgcgaatttc	acagagcact	tttaataacc	cacgaccagg	2220
gcaactgggc	aggttattgc	caaaccagaa	tttaccactt	gacatcacat	tgcaaagccc	2280
aactggtgct	ggacctttcc	caccaatcag	aaacagtagt	ccctactcag	tgatacctca	2340
gccagggaatg	atgggtaatc	aagggatgat	aggaaaccaa	ggaaatttag	ggaacagtag	2400
cacagggaatg	attggtaaca	gtgcttctcg	gcctactatg	ccatctggag	aatgggcacc	2460
gcagagttcg	gctgtgagag	tcacctgtgc	tgctaccacc	agtgccatga	accggccagt	2520
ccaaggaggt	atgattcggg	accagcagc	cagcatcccc	atgaggccca	gcagccagcc	2580

tggccaaaga	cagacgcttc	agtctcaggt	catgaatata	gggccatctg	aattagagat	2640
gaacatgggg	ggacctcagt	atagccaaca	acaagctcct	ccaaatcaga	ctgccccatg	2700
gcctgaaagc	atcctgccta	tagaccaggc	gtcttttgcc	agccaaaaca	ggcagccatt	2760
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aactggattt	gttttgttt	gagtttcaag	tcccttttca	ctacaacacc	gtccaaaact	6360
atctacctat	ctcttctttt	ttatccatct	gcccgtctga	ttttaatgtc	aatcctaatt	6420
cagacaaatc	cgcaacttca	tgatactggt	aattttataat	aattcgtgat	cattgctggt	6480
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acatctagtt	aggagaagaa	aagtaagtga	aggaatcctc	tgatcatatt	gatcactata	6600
gaagcaaaaag	ccaaatcagt	tcccttcatt	atcagtatct	ctcatgctgt	acacaataaa	6660
tttgttagac	tgagtacttg	gtttttgttt	aatagaacaa	ataatcagtg	tttcacttat	6720
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<210> 4659
 <211> 2384
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(2385)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (2348)...(2184)
 <223> similar to gi3714340 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4659	
tttttttttt	ttagtttttt
tctatatatt	gctagtcaga
gccacaatga	ataattacaa
tgatttgcag	aaaattttta
actttttaca	aaccaggcca
ttttcacgct	gtagtaactt
gtaacacgaa	tctcactttc
ttacacaaaa	aataatttcca
cttgaaaaac	aatcaaagaa
acactgtggc	aacactgact
ctgcataatt	taggtacatt
tgaccatttt	ggcagtagtt
agatttagatg	gatgatattt
tgacaaacct	ggagaatact
gagtaattgc	tttaataaat
ctcaaaaaat	aactaaatga
ataccacata	aattgtgaga
tttatatatc	tatgtataaa
cttcttaate	cagacattcc
ttattaacca	atgttaacac
aaatgccaga	atgcatcata
aacacctcga	tatagcttta
caattgtaat	tttacctaaa
gttttttttt	aaacacacag
acagagacag	aaaagccaaa
tggaatgatt	ttacatactc
agtccttaaaa	ggtggatcga
tcagcgccac	gacatctcca
tgccaagtta	ggaacgatga
caaaatattg	gtacttttta
aacagcatca	caccatctgc
agagtgaccc	ttttatcttt
cttcatttgt	gattctttca
attctctaac	tgtacaaatt
gtcttttaaaa	tctaagatca
ctggctgtat	ttaagttttc
atttggaatg	atccattcct
atctttaata	aaatcacggc


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cgaagggtttg gtgaaggggt ttaagtaatt tctatttggt agctgcaggc aaaagtattt 1020
ttctttcttc ggtggctagc catctggagg ggaggaaagt atgtccttgt aaggttcctc 1080
attctatttc tcctgctgag tactggggct tggtttccca gaggggatta ccccatacta 1140
gaggtccttc tataagcatt tctaattggag ggtcctgcct tgcggctctt ttggcttcaa 1200
tatccgcttg gtggttccct tctattttctc tttcctttcc cttctgatga cccagcagt 1260
gtaagactgc cacctcttta ggtttctgta cagccaataa taatctccta atggctttct 1320
gatgattgat aggtgttccc tcagaagtta ggaatgccct tcttgagatg gagtttctact 1380
cttgttgcc aggtgaggt gcaatggcgc catctcggt cactgcagtc tccaactcct 1440
gggcacaagt gatccccag cctcagcctc ccaagtagct gggattacag gcgcccgcga 1500
ccatgcctgg ctaatttttg tattttttgt a 1531

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<210> 4661
<211> 799
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (70)...(218)
<223> similar to gil403532 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 4661
taaagggtggt aaagcactgg tctaaaacaa tcttggtgga aatgaaatgt ttttttctct 60
gtcttctttc aggtctttgt tgagtatgca aatgctggtg attccaaagc tgcgcagaaa 120
ttactgactg gaaggatggt tgatgggaag tttgttggtg ctacattcta cccgctgagt 180
gctacaaga ggggatatct gtatcaaacc ttgctttaat cagtaaccta aggactgttt 240
cctttttctc ctcttccatt tcttgggtta ttccacatat gaatgcagga ctacccctt 300
accattttaa gaaggtactt tatacattta tttaatccta ctaatgtgca gccattgccc 360
aagcagtgc tgcgttgcat acatttggca ctgagtagga caagacctct cagctataca 420
ttgaggggtt ttagagcatc catgtgggca accctttttt gtgcgggaga gcagggtgtg 480
ctcttcagta tgtagcctaa aaaaatctta attatttcat ggatcatgaa gcaaggatga 540
ataatatcat gtcttggtaa atactaacia atttgtagg tttggtgaca tcatttacag 600
attatttctt tatgttggtc agtggttctt ccttattggt gatatccata agctggcact 660
ggatgctctc agtaattgta agtaattgtc aagcagcagt tacctactgt gttcttaaca 720
ctgagttgtg aattttttct taaagcagta ctgtagtact gaatattcct ttaaaggaac 780
tgcagtgagc ctatctaag 799

```

```

<210> 4662
<211> 1159
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1160)

```

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (695)...(301)

<223> similar to gi3875860 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4662

tttttttttt	ttagtcaacc	aagtaagtga	ttttattatt	atcaactata	acattcaa	60
cagattacat	aaaaatggtt	ctataaaatt	atattttaat	tacaatttcc	tattgaagga	120
ctacaccttc	ctgacctttc	cccacagtga	ttcggcacat	aaaacagggtg	ctgaactgta	180
gcagttgttt	tactccatcc	tgtaggttag	agaaactcat	cagaagaaag	tttcaatcac	240
ttcactgtta	ttttctgcaa	ttcttattct	cttatagccg	ataatcttca	ggtggagtcc	300
acaatcttgg	gaaggcgtct	atcttcttct	gtgtgtactc	atctagacgt	ttaggtat	360
ttcgtgggtg	aggaagctcc	tctactaaat	tcttaagaat	atcttctgga	atatactcat	420
ctggaaaaag	atgcaacctt	tccatcattg	ttcttctgtg	aagggttttt	ggcagcatgc	480
cataaatagc	tagttttaca	attgccactg	gatccctcag	gtgaagctga	gcagctgtta	540
cttgtctaaa	tccacctggg	tagccagtat	gcgaagagta	tactttttgt	tcccatttgt	600
ttccagaaaa	tgcaatgtgt	cttgtgttca	ttataacaac	atgatcccca	cagtcactca	660
gtgcatggta	cacaggttta	tgtaatccct	gaagtcttat	agatgccata	gcagcaagtt	720
tgccagggtg	ctgcattttc	ccatctaaga	gataccatat	tctagcaaaa	gtggcccat	780
gctggggcgc	cctagagaaa	ctcgacatat	tccttacta	gcaggaccgt	acgtccttct	840
cctagtagcc	acgccgggtc	actcagcctt	actggcccgg	cgggaaacgc	taacacccaa	900
gcaggacagt	tcctagcccg	tcgagcactt	gtcggcttct	ccctcttctt	cgagtttcct	960
ccagtcttct	ccacggcagc	aatttcgtca	tgaaaggagc	atataatgca	gttatttagg	1020
gaataactcc	caaaaatatc	tcgcttggtg	gaaaaactgc	ggaaaaccga	cggaggacat	1080
aatttccagc	cgacctaaac	gaagggaaga	attccnccgc	nctggcgtaa	tgggtctacta	1140
ttttctaann	naggccctc					1159

<210> 4663

<211> 663

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (12)...(462)

<223> similar to gi5689463 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4663

gcgggtggaat	tcacctagga	agcagtgcc	aatcaaatg	caatagttgc	caaagctacc	60
atgagtctac	taaacagctc	acaatgaaaa	aattacccat	tgtggcttgt	tttcatctca	120
agcggtttga	gcatgtaggc	aaacagaggc	gaaagattaa	tacctttatc	tcctttccct	180
tggagctgga	catgactccg	tttttggcct	ctactaaaga	gagcagaatg	aaagaaggcc	240
agccaccaac	agatttgtgtg	cccaatgaga	ataagtattc	cttgtttgca	gtgattaatc	300

ttgatacttg	tctatccttc	atagtgcct	ctacttttaa	agggtttata	tgttgaaaaa	1860
ctgctgtggc	cttttatgac	ctgtatataa	tgtagaataa	aaataataaa	atacttgata	1920
gctttttcta	agtgaccaat	gtactaacta	aaaaaaaaa			1959

<210> 4665
 <211> 1531
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc feature
 <222> (122)...(1266)
 <223> similar to gi2280485 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

00770 5249450

<400> 4665						
ctggagcggg	cccgccggac	gctaccgcct	ttccagccgg	agccagcgcg	agctcggcac	60
gggggacacc	cggtccgagg	ccggcaagcc	ggctggtgcc	cgagtcggcc	aagcatgggc	120
aaccactcag	gacggcccga	ggatccggaa	ccaggtggaa	aaggattatt	catacctgaa	180
ggagatatgt	gatcaccaag	ccgaacagct	gagcagaacc	agcctaaagc	tgcaagaaaa	240
agcatcagag	agtgatgcag	agatcaaaga	catgaaagaa	accataattt	aattggaaga	300
tcaggtggaa	cagcaccggg	ctgtcaagtt	acacaataat	caactcatca	gtgagctaga	360
aagtagtggt	atcaagctgg	aggaacagaa	gtcagacctg	gagaggcagc	tgaagactct	420
gaccaagcag	atgaaggagg	agaccgagga	atggaggcgg	ttccaggcgg	atctgcagac	480
cgcagtgggt	gtggccaatg	acatcaagtg	tgaggcccag	caggagctgc	gcaccgtgaa	540
gaggaaactg	ctggaggagg	aggagaagaa	tgcccgggtt	cagaaggagc	tgggggatgt	600
gcagggccac	ggcagggtgg	tcaccagcag	agccgcccct	ccacctgtgg	atgaagagcc	660
agagtcctct	gaggtcgatg	ctgctggtcg	gtggcctggt	gtctgtgtta	gcagaacatc	720
tccaacaccc	ccagagtcgg	caaccaccgt	taagtcactt	atcaagtcac	ttgacttggg	780
acgcccaggt	ggagctggac	agaatatatt	tgtccataag	accccagaa	gtcccctaag	840
tgggatacca	gtgaggactg	ctccagcagc	tgctgtctct	ccaatgcaga	ggcattcgac	900
ttacagcagt	gtgcggccag	ccagcagagg	ggtgactcaa	cgcttggacc	ttcctgacct	960
tcccctctca	gatattctaa	agggaaggac	tgagaccctg	aagccagacc	cccacctccg	1020
caagagtccc	tcactagagt	cactgagcag	accccgctct	ctgggctttg	gggacacaag	1080
actgctgagt	gcttccaccc	gggcatggaa	accacaaagc	aaactcagtg	tggaagaaa	1140
agaccctctg	gcggccttgg	cccgggaata	cggtggttcc	aagcgcaatg	ctctactgaa	1200
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ctaccaggag	ctgaatagtc	aggagaaaaa	gaggaatctc	ttgttggcat	ttgaagcggc	1380
tgaaagtgta	ggcatcaaac	ccagcctgga	actcagcgag	atgctgtaca	cagaccggcc	1440
cgactggcag	agtgtgatgc	agtacgtggc	ccaaatctac	aagtactttg	agacgtaacc	1500
ctggagggct	tggggcagcc	accattgccc	t			1531

<210> 4666
 <211> 838
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(839)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (603)...(709)

<223> similar to gi4589616 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4666

ctaatacaag	ctctagtgt	ttattagcaa	acacttaaaa	aatatgtaaa	taccagtact	60
gtggaaaata	attagatgac	acataaactg	gattttaa	ccatctcatc	tgccatagatt	120
ttatgtaagt	gatataatga	agggtgcctta	aaatatttga	tactttcaaa	tgtttctcat	180
gttattttct	tattttctaa	aaaagatgta	ttcactaaat	tatatacact	catataataa	240
ttaaataata	aatacattct	tttattgtgt	acctttctat	ctagaaggta	gcacattatt	300
acagtgtttc	ctgctgggtca	aagttgccta	ttagagaaat	agaatggtaa	ttttaatata	360
ttcacaaaat	accttattga	tatcatcaaa	ccaatttata	cattgagttt	gtaccaacta	420
gtggaattgt	cttaggtcta	ttaagttatg	gaatattata	tccataatta	cagtctgagt	480
catagctgaa	aaaatctgct	ttaaaattat	tctcactctt	tgaacatttc	ataatcttac	540
atgttttcaa	gcaatttgcc	atactctact	aacctttgtg	cttctttttt	cctttgccat	600
gcttacagaa	aattcaattc	tacagggagt	ggattatgac	tcacagtagc	agtagtgatg	660
atgatgatga	tgatgatgat	gatgatgagt	cagatctaaa	ccattaaaat	tcatatgttc	720
tttattttac	ttggaatgtt	tcattaacat	gttttgatg	acttatacca	taatgcccac	780
atgtccattt	ataggggagg	taaaacacat	tttnccttaa	aatgttttcc	tacacatt	838

<210> 4667

<211> 1570

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (193)...(686)

<223> similar to gi3790173 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4667

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aggacagagg	gtagctgccg	tcgccgtcgg	cagtcaagca	gttctgcaaa	ttctcagcag	180
ggtcagtggg	agacaggctc	ccccccaacc	aagcggcagc	ggcggagtcg	gggcccggccc	240
agtggtggtg	ccaaacggcg	gcggagaggg	gccccagccg	caccccagca	gcagtcagag	300
cccgccagac	cttcctctga	aggcaaagtg	acctgtgaca	tccggctccg	ggttcgagca	360


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gagtactgcg agcatggggc agccttggag cagggcggtg catcccggcg gcccaggcg 420
ctggcgcggc agctggacgt gtttgggcag gccaccgcag tgctgcgctc aagggaacctg 480
ggctctgttg tttgtgacat caagtctctca gagctctcct atctggacgc cttctggggc 540
gactaccctga gtggcgccct gctgcaggcc ctgcgggcg tggtcctgac tgaggccctg 600
cgagaggctg tgggccggga ggctgttcgc ctgctgggca gtgtggatga ggctgactat 660
gaggctggcc ggcgccgcct gttgctgatg gaggaggaag gggggcgcg cccgacagag 720
gcctcctgat ccaggactgg caggattgat cccacctcca agtctccggg ccaccttctc 780
ctgggaggac gaccatctct acccctagag gactgtcact ctagcatctt tgaggactgc 840
gacaggaccg ggacagcagg ccccttgaca gcccctccca caggatgtgg gctctgaggc 900
ctaaaccatt tccagctgag tttccttccc agactcctcc tacccccagg tgtgccccct 960
tagcctccgg aggcgggggc tgggcctgta tctcagaagg gaggggcaca gctacacact 1020
caccaaaggc cccctgcac attgtatctc tgatcttggg ctgtctgcac tgtcacaggt 1080
gcacacactc gctcatgctc aactgtcccc tgctgagatc ttccctgggc ctctgccctg 1140
gcctgcttcc cagcacacac ttctttggcc taaggggcttc tctctcagga cctctaattt 1200
gaccacaacc aacctgggct tcagccacat cagtgggcac tggagctggg gtgcacatgg 1260
ggcctgctca ccttgccac acatctccag ccagccaggg ccctgcccag cttcaattta 1320
cagacctgac tctcctcacc ttccccctg ctgtccagag ctgaacatag acttgactt 1380
ggatgtcacc tggagtgtca catgggagtg ttatggcagc atcataccaa ggcctactgt 1440
tgcacatggg gccaaaacca gtaaacagcc accttcttgg aaagggaatg caaaggcttt 1500
gggggtgatg gaaaagacct ttttacaat gataccaatt aaactgccct gggaaagggc 1560
attaggtggg 1570

```

<210> 4668

<211> 1264

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1216)...(630)

<223> similar to gi4530425 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4668

```

tttttttttt ttggttgcca tttttctttt ttaatgatca ccatgaaatc cactgggcca 60
ggccctggtg ttctgtgcc atagtcagag tcagagtggg gggatgacct caggaggga 120
caagaagcca agactgggct ggggagccga gaaggagata gataaggggg agagggtgca 180
gtggggcagg cagaggagga agtctggagc cctggataac aacacagata taagggtgaag 240
gcctccctct gccaccccag cctgagcca cagacgttga ggtgcaagaa gatggggatt 300
ttggccacaa ctcttttccc atgtcaaagg gaagacactg agagcagaca aaggccaagt 360
gccagggggc acaagaacaa gttaacaagt aaaacaatta gggacaccac ctcttttccc 420
cagccatttt ttcatattta caactgaagc aatttgacaa gatgatataa aaatctcaaa 480
caaattttct agcccttgt cggggtgttg acaggaagtg gtatcccgtg atccagaaat 540
caacacctaa aatccagagg caggaggcaa gccatgaagg gtggggaggg aaggaggagc 600
tcccacagtc actaggtcac ctgctccgtg ggcctcatct ggatgtctcc aatctggatg 660
tgtgcggggg tgctgaggac gtagataaca gcctcgcca catcctcggg tttgagacac 720
ttcatttgct cataggtggc agctgccttc tcagggtcct tgctcgtggg tttgaaggcg 780
aattgtgtct ccaccacacc tggagagatg cacgtggctc ggatgtgggt ctgggcctcc 840
cgaagctctt gcctcagtc ctctgtcagc gcagtgcagg catacttggg ggcactatag 900
aagtgggtca cagacagggg taacactcgg tggccagaca tgctattgat gttaatgatg 960

```

tgcccatcgt	ccacattccg	ctccttcatg	gactggtagg	cttcccgtgt	gcagatgctg	1020
agggccagca	cgttcacatt	gaacatgtcc	ttccaaccac	tgggtgctgcc	tgagagcagg	1080
gtgtcaggcc	gggccaagcc	agcattgttg	atgcagatgt	ctacaccgct	gtgctgagaa	1140
cggatagctg	agaacatgga	gaggatgtcc	tcttcatttg	ataggtcaca	tctgtagggg	1200
atcaaagtcc	cggggtagcc	tgcactctta	cattcagcag	ccagctccta	tgaaacccaa	1260
cagc						1264

<210> 4669
 <211> 480
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (373)...(163)
 <223> similar to gi8063 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4669						
tttttttttt	ttttgattaa	atgttcttta	tttgatgctt	ttgtgtgcac	aacacttata	60
aggagtggcc	caattcacca	agtcagcccg	ttcacaccct	tagttaaggt	ggccattaag	120
ggggcagggg	gtggcaatca	gtaagttgcc	tcttgccctaa	ctctctttct	ccaaccattc	180
tctataggct	ccagcgtagt	tgcgagcccc	agtgtatcca	agactccggg	ccagctgcgt	240
ggcctggagg	ccccgcttgc	ccatctgaca	gaagaaaacg	agatgctcat	cttccagctt	300
tggcttctca	gcagaatata	aagcctggaa	ggcagctggc	tccatctgca	gagcactctc	360
caactcggac	actccagcca	tgggtgcgcgt	agcaaccgcg	agtctccgga	gtgcggccgt	420
ggccccccct	ctcggcgcgt	gcaacatctc	cggttccctc	ccagagctga	gaccacgaaa	480

<210> 4670
 <211> 1774
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(1322)
 <223> similar to gi402649 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4670						
gctccaaata	ctgcagaatt	aaggatttgt	cgtgtaaaca	agaattgtgg	aagtgtcaga	60
ggaggagatg	aaatatttct	actttgtgac	aaagttcaga	aagatgacat	agaagttcgt	120
tttgtgttga	acgattggga	agcaaaaggc	atcttttcac	aagctgatgt	acaccgtcaa	180

```

gtagccattg ttttcaaaac tccaccatat tgcaaagcta tcacagaacc cgtaacagta 240
aaaatgcagt tgcggagacc ttctgaccag gaagttagtg aatctatgga ttttagatat 300
ctgccagatg aaaaagatac ttacggcaat aaagcaaaga aacaaaagac aactctgctt 360
ttccagaaac tgtgccagga tcacgtagaa acagggtttc gccatgttga ccaggatggg 420
cttgaactcc tgacatcagg tgatccaccc accttggcct cccaaagtgc tgggattaca 480
gttaattttc ctgagagacc aagacctggg ctcctcgggt caattggaga aggaagatac 540
ttcaaaaaag aaccaaaactt gttttctcat gatgcagttg tgagagaaat gcctacaggg 600
gtttcaagtc aagcagaatc ctactatccc tcacctgggc ccatctcaag tggattgtca 660
catcatgcct caatggcacc tctgccttct tcaagctggg catcagtggc ccacccacc 720
ccacgctcag gcaatacaaa cccactgagt agtttttcaa caaggacact tccttctaata 780
tcgcaaggta tcccaccatt cctgagaata cctgttggga atgatttaaa tgcttctaata 840
gcttgcattht acaacaatgc cgatgacata gtcggaatgg aagcgtcatc catgccatca 900
gcagattttat atgggtatttc tgatcccaac atgctgtcta attgttctgt gaatatgatg 960
acaaccagca gtgacagcat gggagagact gataatccaa gacttctgag catgaatctt 1020
gaaaacccct catgtaattc agtggttagac ccaagagact tgagacagct ccatcagatg 1080
tcctcttcca gtatgtcagc aggcgcctaat tccaatacta ctgtttttgt ttcacaatca 1140
gatgcatttg agggatctga cttcagttgt gcagataaca gcatgataaa tgagtcggga 1200
ccatcaaaca gtactaatcc aaacagtcac ggttttgttc aagatagtca gtattcaggt 1260
attggcagta tgcaaaatga gcaattgagt gactcctttc catatgaatt ttttcaagta 1320
taacttgcaa gatttaaatc cttttaaatc ttgataccac ctatatagat gcagcatttt 1380
gtatttgtct aactggggat ataatactat atttatactg tatatataat actgactgag 1440
aatataatac tgtatttgag aatataaaaa acttttttca gggaagaagc atacaacttt 1500
ggacatagcg aatacaaaat tggaagctgt cataaaaaga caactcagag gccaggcgca 1560
ggggctcaca cctgtaatcc tagcactttg ggaggccaag gcgggtggat cacttgagac 1620
caggaattcg agaccagcct ggccaacatg gtgaaacccc gtctctacta aaaatacaaa 1680
aattagctga gcatggtggg acgtgcctgt actgtcagct acttggggagg ctgaggcaca 1740
ataattgttt gaaccacagga agcagagggt gcag 1774

```

```

<210> 4671
<211> 767
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(768)
<223> n = a,t,c or g

```

```

<220>
<221> misc_feature
<222> (14)...(265)
<223> similar to gi667063 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4671
ggcacgaggt ctctgtccac ttggatatac aggccttaaag tgtgaaacag acatcgatga 60
gtgcagccca ctgccttgcc tcaacaatgg agtttgtaaa gacctagttg ggggaattcat 120
ttgtgagtgcc ccatcaggtt acacaggtca gcgggtgtgaa gaaaatataa atgagtgtag 180
ctccagtcct tgttttaata aaggaatctg tgttgatggg gtggctggct atcgttgcac 240
atgtgtgaaa ggattttgtag gtaagatgtt tccagtcctc ctatgttgtc ttaaaatctt 300

```

```

gtaaaccacc acaaattagt acattttctta acatatannn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 480
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnaa aggcacactt tcaagaagga actggagaca 540
aatcatgtaa tatgatattg caaacagatg tacaataata tggtttaaaa gtgtatgctt 600
aattttctaaa gagtaaatcc aagaaaagtgt ccagtgaagg aaaaaggcaa gatcaaagaa 660
acaggcaagt tttgaatgga atttactagc tttattttctt aacattatct caattagatg 720
tctattacca aacttaattt caacaaaaaag taagatttaa aaaagca 767

```

```

<210> 4672
<211> 769
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (19)...(239)
<223> similar to gi3043626 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4672
ggtttgagac cgtatccatg gatggaattc catccgataa tgggctgggg tgagaaagcc 60
attgagatcc gctctgtgga gacggggccac ctgcaggggg tcttcatgca caaacgagct 120
cagaggctca agttcctgtg tgagcgggaat gacaagggtg tttttgcctc agtccgctct 180
gggggagcga gccaaagtta cttcatgact ctgaaccgta actgcatcat gaactggtga 240
cgggggccctg ggctggggct gtccacact ggacccagct ctccccctgc agccaggctt 300
ccggggccgc cctcttttcc cctccctggg cttttgcttt tactggtttg atttcaactg 360
agcctgctgg gaacgtgacc tctgacccct gatgctttcg tgatcacgtg accatcctct 420
tccccaacat gtccctcttcc caaaactgtg cctgtcccca gcttctgggg agggacacag 480
cttccccctc ccaggaattg agtgggccta gcccctcccc ctttttctcc atttgagagg 540
agagtgcttg gggcttgaac cccttacccc actgctgctg actgggcagg gccctggacc 600
cctttatttg cacgtcaggg gagccggctc cccccttgaa tgtaccagac cctggggggg 660
gtcactgggc cctagatttt tggggggtca ccagccactc caggggcagg gaccatttct 720
tcattttctg aaagcacttt aatgattccc cttcccccaa actccaggg 769

```

```

<210> 4673
<211> 1999
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (24)...(172)
<223> similar to gi4240297 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

007270" 5'3460

```
<400> 4673
cctagtcctgt gtggtggaat tccatgcaga atatattggc agttctcttg agtcagctga 60
tgaaaaccca agagccagca ggcagctctg aggaaaacaa cagtgcacaag aacagtgggc 120
cacaggggcc ccgaagaact cccacaatgc cacaggagga ggcagcagag aaaaggcccc 180
ctgagccccc cggacctcca ccgccgccac ctccaccccc tctggttgaa ggcgatcttt 240
ccagcgcccc ccaggagtgt aacccagccg tgacagccgc cttgctgcaa cttttatccc 300
agcctgaagc agagcctcct ggccacctgc cacatgagca ccaggccttg agaccaatgg 360
agtactccac ccgaccccggt ccaaacagga cttatggaaa cactgatggg cctgaaacag 420
ggttcagtg c attgacact gatgaacgaa actctggtcc agccttgaca gaatccttgg 480
tccagaccct ggtgaagaac aggaccttct caggctctct gagccacctt ggggagtcca 540
gcagttacca gggcacaggg tcagtgcagt ttccagggga ccaggacctc cgttttgcca 600
gggtcccctt agcgttacac ccggtggtcg ggcaaccatt cctgaaggct gagggaagca 660
gcaattctgt ggtacatgca gagaccaa at tgcaaaacta tggggagctg gggccaggaa 720
ccactggggc cagcagctca ggagcaggcc ttactgggg gggcccaact cagtcttctg 780
cttatggaaa actctatcgg gggcctacaa gaggccacc aagaggggga agagggagag 840
gagttcctta ctaaccaga gacttcagtg tcctgaaaga ttcttttctt atccatcctt 900
ccatccagtt ctctgaatct ttaatgaaat catttgccag agcgaggtaa tcatctgcat 960
ttggctactg caaagctgtc cgttgtattc cttgctcact tgctactagc aggcgactta 1020
cgaaataatg atgttggcac cagttcccc tggtatgggt atagccagaa catttacttc 1080
aactctacct tagtagatac aagtagagaa tatggagagg atcattacat tgaaaagtaa 1140
atgttttatt agttcattgc ctgcacttac tgatcggaag agagaaagaa cagtttcagt 1200
attgagatgg ctccaggagag gctctttgat ttttaaagtt ttgggggtggg ggggtgtgtg 1260
tggtttcttt cttttgaatt ttaatttagg tgttttgggt ttttttctt taaagagaat 1320
agtgttcaca aaatttgagc tgctcttttg cttttgctat aagggaaaca gagtggcctg 1380
gctgatttga ataaatgttt ctttcctctc caccatctca cattttgctt ttaagtgaac 1440
actttttccc cattgagcat cttgaacata ctttttttcc aaataaatta ctcatcctta 1500
aagtttactc cactttgaca aaagatacgc ctttctccct gcacataaag caggtttag 1560
aacgtggcat tcttgggcaa gtaggtagac tttaaccagt ctctttcctt ttttgctgat 1620
gtgtgctctc tctctctctt tctctctctc tctctctctc tctctctctc tctctctctc 1680
tgtctcgctt gctcgctctc gctgtttctc tctctttgag gcatttgttt ggaaaaaatc 1740
gttgagatgc ccaagaacct gggataattc ttacttttt ttgaaataaa ggaaaggaaa 1800
ttcagactct tacattgttc tctgtaactc ttcaattcta aaatgttttg ttttttaaac 1860
catgttctga tggggaagtt gatttgtaag tgtggacagc ttggacattg ctgctgagct 1920
gtgggttagag atgatgcctc cattcctaga gggctaataa cagcatttag catattgttt 1980
acacatatat ttatatgtc 1999
```

<210> 4674

<211> 740

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (159)...(257)

<223> similar to gi2145041 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

<400> 4674
ggaattcccc cctcaggtcc cagccttctc ccaagagatg ggagtgcctt tccattccgg      60
taaagattcc aggtcttctca ggaacgggca cgcaaagaat aagatgggtt gatgggttgc      120
aagcatcctg gctcactctc accctatgct aaactcaggc gaccgtgctg tgtgacatca      180
tagtcctcta ctgcatgaag aaaagactct actatcggga gaagaaatat aaatatgtgg      240
aagattacga gcaggtaggc ccctcctggc cccagcagg cacaggcctc tcatctcttg      300
ggtgtgggag ccctgggcgt gggcctgtct ggggaggccc ttctgcagag gctggcacca      360
gtgtggcgtg gtgtccccgt taaccggggc agtcctgcca ctctcagcag ctgctccatc      420
cctaggcccc tgtactagat tgactcttta aaccagcct cgtttcaatg agcgacatct      480
caggttggtg atgataatgc atgctctgag aatgcctgtg ggcacacact acttcagtgc      540
accttgcgga acaggaaggg ttgggttcca ggctgggac caacttgaga acccctggcg      600
gtgaagtccc aggagcgcac ctccctccc cctgccaca ggggtcccag gggcaccttg      660
atctgcttgt gtccttcttt gcagggtctt gctagtgcagc tggaccagtg aggcctaccc      720
cacacctggg ctctccacag

```

```

<210> 4675
<211> 2815
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(950)
<223> similar to gi531523 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4675
aagatggatc ctcacgcggt ggagatcagc cgggagagcc ttctgctgca ggacagcgac      60
tgcaaggcgt ctccggaggg ccgcgaggcc cacaacacag gcctggccgc cctcagaagc      120
acgagccgca acgaatacat ccactcaggc ctgtactcgt ccttcaccat taattccctg      180
cagaaccac cagacgcctt caaggccatc aagacggaga agctggagga gccgcccga      240
gacagcccc ccgtggaaga agtcaggact gtgatcaggt ttgtgaccaa taaaaccgac      300
aagcacgtca ccaggccggt ggtgtccctg ccttccacgt cagaggctgc ggcggcgtcc      360
gccttccttg cctcgctcct ctcggccaa atctcctctt taatgttgcc aaacgctgcc      420
agtatttcat ccgcctcacc cttctcatct cggaccccgct ccctgtcccc caactacccc      480
ctcccttctg aacacagaag cctcttcctg gaggcgcgct gccatgactc cgattccctg      540
gagcccttga acctgtcatc gggtccaaag accaagtctc catctcttcc cccaaaggcc      600
aaaaaaccca aaggcttgga aatctcagcg cccccgctgg tgcctccgg caccgacatc      660
ggctccatcg cctcaacag cccagccctc cctcgggat cctcaccac agccttcttc      720
accgcacaga caccaaatgg attgcttctg actccgagtc cactgctctc cagcatatcat      780
ttctggagca gccttagtcc agttgctcgg ctgagtcctg ccaggctgca agggccaagc      840
acgtgtttcc agttccccac actgcttaat ggccacatgc cagtgccaat cccagctctg      900
gacagagctg cttctccagt actgctttct tcaaactctc agaaatcctg atgacgtctg      960
gccacaatta aggactcatt aactgatgaa acaaatttgt cccacgggc tagtttacct      1020
gtgtcgtgag aaggacattg tgaaactctt gttaatttgg tttgcacttt tcataacatg      1080
gatagtctag atttatgtta gcatttttaa aactgttttt gatatatattc agtatatatg      1140
aaaatctgtt tggcattaag tgaattttaa tgtttttgtt tttatatcct tttagctctt      1200
aagtgttgaa cactgttgac agtgaagaac ttttcttaat ggttttcagt ataactaata      1260
aggatgtgaa gcttttttct ctttagttct gagtatgcta aactgtgtgc ttatatagac      1320
tataaccagt tgtgccttcc ttgcgattta atgtaaatga atgatttata tattttttag      1380

```

tattaagagg	aaatgtttga	aagatgaaaa	ttagtatcaa	acagctctct	agtagaattt	1440
cattatTTTT	caccagtggg	caatatgaaa	gcataatatca	cgTTTTgttt	tactttcaat	1500
tgtataagaa	ttgccttaga	acctcttttg	aactgaaatt	cagtaaattgt	ccaagtaattg	1560
TTTTtataat	aaactaagcc	atatttagac	aataaacatt	gataaaagaa	aatgttctaa	1620
agtacatttt	caaaaagaatg	gaccttgaaa	ggctagcctc	cttagctgtt	tacagtatct	1680
tatcttttag	atgcctccca	gacaaaaatc	tgagatggaa	aagctacatc	aagtttatgc	1740
tattccaggc	ccaagaatat	ctcctagggt	agcatattct	tatttcaaaa	aattagccct	1800
ggTTTTctca	gttttccata	gggaatcccg	accatctgat	atatttactg	tgtcagtata	1860
agtaagttgg	ggttcccctg	gaactataat	taacatttaa	aaaatctaata	gctttagaag	1920
aagctcacag	agtgggtgatg	aacccaaaca	acaaagaaac	catttttaac	actaggtatc	1980
ttcatcagta	taggtagggtg	ttcacaatTT	ttgatggatc	aaaaacttgc	tgtaatacaa	2040
atagagagtg	gaggtactaa	aggccttgct	tgtggaaact	gagagaggat	acactgcttt	2100
atgtattact	aaagttagggtg	gagaatgaag	gaaatctgac	agatgaaaaa	ttctacagga	2160
acctcatcat	cgtggaaactg	aactgatgat	aacttggaac	actccagtaa	attctgttgt	2220
gtaatgtaat	ttggagcagt	gataatacag	acatattttc	tgttccatca	gaaaatcagc	2280
aggcaccagt	ccaaagggtac	cacacctgta	catgaagaag	gaaagttcta	atacaagaaa	2340
actgaaaagc	accaaagcctt	taaattcaag	tattaattac	aatccttaac	tataagtgat	2400
gataaaaact	aacttggaaa	tgtggactaa	ataactgatc	ccaaactggg	cattaagtgg	2460
caggattatg	agaaaggata	aaaaaagaga	tttgagaaaa	cacatttcct	tgaattttca	2520
gaaaaaaatc	taggactatt	gctttgacac	ttaggaaatt	ctgagggtttt	tccaattggg	2580
gattgaggca	tctctgtatg	tggggatgtg	ggcccttatc	aagggataaa	aatccaacac	2640
tctaacatgc	ctccttgact	gtaaagtaat	gacactgggt	ccaaattcac	aataatagac	2700
actactgtcc	ccccccccca	ccccataggc	taagaataat	tctgtacaga	ataaaggagc	2760
tggtccaggg	actgatatta	ctgacatcca	agtttgtgctg	aagggccttg	agatg	2815

<210> 4676

<211> 1069

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (8)...(888)

<223> similar to gi5731761 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4676

tcagcaggac	tggaggcggc	cactggagga	ggatttcagg	cggtctccca	cggaggactt	60
caggcagctc	ccagaggagg	acttcaggca	acccccctgag	gaggacttaa	ggtggctccc	120
agaggaagat	ttcaggcggc	cacctgagga	ggactggaga	cggccccccag	aggaggactt	180
taggcggcct	cttcaggggc	aatggaggcg	accaccgag	gatgacttca	ggcggcccccc	240
agaggaggat	ttcaggcatt	cccctgagga	ggacttcagg	cagtcacccc	aggagcattt	300
ccggaggcca	cctcaggagc	atttcctgtcg	gccacccccca	gagcatttcc	ggagaccacc	360
tccagagcat	tttaggcggc	ctcccccaga	gcacttccgg	cggccacccc	cagagcactt	420
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ccaggagcat	ttcaggcggc	cggctcagga	gcatttcagg	cgctcccagag	aggaagattt	540
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tgatgaggac	ttcaggagcc	cccaggagga	agatttttaga	tgcccttctg	atgaggactt	660
caggcagctc	ccagaggaag	accttagggg	agctccggag	gaggacccta	gacttcctga	720
caatttttaga	cctcctggtg	aggatttttag	gagcccgccct	gatgatttta	gaagtcaccg	780

cccttttgtg	aatttttggtc	gccagaag	tggcaagttt	gatttttgga	agcataatat	840
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gaagtaaact	tcctattaag	ataatgaatc	ttgccatttt	aaagctaata	tgaatgaaat	960
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```

<210> 4677
<211> 1170
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (254)...(653)
<223> similar to gi3169016 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 4677						
caggtcagac	agaagacaac	atgaacgtct	aacctcatgc	accagcggac	actgtgtggt	60
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cacgtggctg	gggtggcatg	gatggggctt	atggacctgg	gtctttcaga	agtgacccat	180
agctcactcc	tggaaggcgt	gagtcaagca	ggtggttctg	cgcactaacg	acgctcttcc	240
actgtttccc	tagggaagat	ccttgtcctt	caaaaccttc	ctcatctggg	ttttaataag	300
tatttaccaa	ggcggcatcc	tcatgtatgg	ggccctgggtg	ctcttcgagt	ctgagttcgt	360
ccacgtgggtg	gccatctcct	tcaccgcact	gacccctgacc	gagctgctga	tggtggcgct	420
gaccgtccgc	acgtggcact	ggctgatggt	ggtggccgag	ttcctcagct	taggctgcta	480
cgtgtcctca	ctcgtttttc	tcaatgaata	ttttgatggt	gcctttatca	ccaccgtgac	540
cttctgtgg	aaagtgtcgg	cgatcacctg	ggtcagctgc	ctcccgtgtg	atgtcctcaa	600
gtacctgagg	cgcaagctct	ctcctcccag	ctactgcaag	ctggcctcct	aaggggctgt	660
gcacccccag	cgggctggcc	ccagcacctt	ctgcccttcc	cagcaccttg	tgcccttgcc	720
agtgaacgca	gggtttgcca	ttgctaccaa	gcaagcacca	caagaaagg	agggtaggcc	780
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cctgccaggc	aagcccagg	cacagatgcc	aggatggctt	ctccctctca	gtgcgaggct	900
tcacccctgc	caggcaagcc	cagggcatag	atgctgagac	agcctctccc	tctcagtgc	960
gggacgtcac	ccctgccagg	caagcccagg	gcacagaggc	cgggacggcc	tctccctctc	1020
agtgtgaggc	ttcacccatg	ctaggcaagc	ccagggcaca	gatgccggga	tggccccctcc	1080
ctctcagtgc	gggaacgtca	ccccttgcca	ggcaagccca	gggcacagat	gctgcgatgg	1140
gcctcttctc	cttaagtgtg	gggcctcacc				1170

```

<210> 4678
<211> 3093
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature

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<222> (4)...(1423)

<223> similar to gi4972746 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4678

ttctatgacc	tcctgcgcat	cacgttgggc	agaaggggac	agtacgttat	gctctcggtg	60
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ctctccatgg	tggcttgttg	gaagtcagcc	tacgtctgtg	ccctgctgcg	ggagtgtgtg	180
aagttgcggc	cctcggaccc	caccgtgccc	ctgatggccg	cgaaggctcg	catcgggtcc	240
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gccggggagt	tcctcccaaa	gggctacctg	gctctgggtc	tcacctatag	cctgcaggcc	360
accgacgcca	ccctgaagtc	caagcaagat	gaattgcacc	ggaaggcact	gcagacgctg	420
gagagggctc	agcagctggc	gcccagtgac	ccccaggtca	tcctctatgt	ctcgctgcag	480
ctggccctcg	tccgacagat	ctccagtgcc	atggagcagc	tgaggagggc	cctgaaggta	540
cgcaaggatg	atgccacgc	cctccacctg	ctggcactgc	tcttctctgc	ccagaagcac	600
caccagcatg	ccctggatgt	tgtcaacatg	gccatcaccg	agcaccctga	gaacttcaac	660
ctgatgttca	ccaaggtgaa	gctggagcag	gtgctgaaag	gcccagagga	agccctcgtg	720
acctgcagac	aagtgtgag	gctgtggcag	accctgtaca	gcttctccca	gctgggaggc	780
ctagaaaagg	atggcagctt	cggtgagggc	ctcaccatga	agaagcagag	tggcatgcac	840
ctgactttgc	ctgatgcca	tgatgcagac	tctggctccc	ggcgggcttc	gtccatcgcc	900
gcctcccggc	tggaggaggc	catgtcagag	ctgactatgc	cctcttcggt	cctgaagcag	960
ggcccatatg	agctgtggac	caagctggaa	cagatctggc	tgagggtgc	tgagctgttc	1020
atggagcagc	agcacctcaa	ggaagcaggt	ttctgcaccc	aggaggcggc	gggcctcttc	1080
cccacttctc	actcagtact	ctatatgcgg	ggccggctgg	ctgagggtga	gggcaacctg	1140
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caagtgggaa	gactatgaga	tttctgggtt	cccttctcag	acttgaggtt	agtagatgat	1920
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tgctaccaag	tgcttttggg	gcctctgggg	tctgaccagg	ggtactgagc	accggcccta	2040
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ttcgagcctc	accctggcct	tttggcttcc	cctgcctgag	agagacctga	ggaggggaca	2340
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gcctgggggc	tgtgggtgta	tgtcctccct	actggcttcc	ccggccctcg	ctgcagtatg	2460
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ccctggatcc	tttgctctct	cttgggttgaa	ggatctctat	gtatgtgtgt	atataaatat	2820
agttttttat	ctatatatat	aaaatagaga	tctatttttt	ttctggaatt	ctgttagaaa	2880
agtaaagaaa	aagcaaatgc	tgttgggtta	tctcagggtg	cccaaagtgg	ttatagtcaa	2940

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tttttggtac	taggaaaggc	acccaatgca	tttctgact	tttaagcatt	tccttgttgg	3000
aagcagcaga	gggccaggcc	aagttgctga	cagtgacttt	gcaggttgaa	taaagaaacc	3060
cttggagggg	aagcaggcct	gtttgaaaaa	aaa			3093

<210> 4679
 <211> 2092
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (46)...(512)
 <223> similar to gi3877655 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4679						
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gctgggctga	ccccagagga	gctacgagct	ctggagggcc	atgagcggca	gcacctggag	180
gcccggctgc	agagcctgcg	taacatccac	acactgctgg	acgccgccat	gctgcagatc	240
aaccagtacc	tcaccgtgct	ggcctccttg	gggccccccc	ggcctgccac	ttcagtcaac	300
tcactgagg	agactgccac	tacagttgtt	gctgctgcct	cctccaccag	catccctagc	360
tcagagggca	cgaccccaac	cccaggagcc	tccccaccag	cccctgaaat	ggaaaggcct	420
ccagctcctg	agtcagtggg	cacagaggag	atgcctgagg	atggagagcc	cgatgcagca	480
gagctccgcc	ggcgccgcct	gcagaagctg	gagtctcctg	ttgcccactg	acactgcccc	540
agcccagccc	cagcctctgc	tcttttgagc	agccctcgct	ggaacatgtc	ctgccacca	600
gtgccagctc	cctctctgtc	tgccaccagg	agtagtacct	ccagctctga	gaaagaggcg	660
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ccatggggat	ctcggttcag	ttccagcctt	cctctccaac	tcttcagccc	tgtgttctgc	780
tggggccatg	aaggcagaag	gtttagcctc	tgagaagccc	tcttcttccc	ccaccctttt	840
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cgaacagtat	tagctcccgt	tccaagtgt	ggactccaga	ggggctggag	gcaagctatg	960
aacttgctcg	ctggcccacc	cctaagactg	gtaccatttt	ccttttctta	ccctgatctc	1020
cccagaagcc	tcttggtgtg	gtggctgtgc	cccctatgcc	ctgtggcatt	tctgcgtctt	1080
actggcaacc	acacaactca	gggaaaggaa	tgctggggag	tgggggtgca	ggcgggcagc	1140
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gcctgtcctt	gaccttgca	atcccagcgc	ccaaggaagg	ccacttctca	actggcagaa	1320
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ctgtcttttc	cccttggttt	tgtgttacaa	gagttgttgg	agacagtttc	agatgattat	1560
ttaatttgta	aatattgtac	aaattttaat	agcttaaatt	gtatatacag	ccaaataaaa	1620
acttgcatta	acaattggtg	gggtttgtgt	cacagaatcg	atcaaatacag	tgtcgggctc	1680
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aagccagcac	tatccttggg	gacaccactg	accattaaca	gattaggaag	atgtgcccac	1800
tttacacaca	gagaagcagc	ccagagttca	gtgccttgc	tcagggcaga	gaccaagttg	1860
gggagtcagg	aactgaaagc	tgtcttagcc	agtttggggg	cagggtgggg	tctcaggcct	1920
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tgggatggca	gggtgaaagg	tcagcatatt	cctgcctgca	aaccctccc	cagccttgat	2040

tgcagggtcag aaggctgcag ggggatgtcc ctatgctggc tgtgagttcc ca

2092

<210> 4680

<211> 1169

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (3)...(719)

<223> similar to gi3924667 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4680

tgcagcccta	tgtgcaggaa	agccagaaca	agttcttcaa	gctgcccgtg	tccgtggtca	60
acaccacact	gccgtgcgtg	gcctacgtgc	tgctgtcact	cgtgtacttg	cccggcgtgc	120
tggcggtctg	cctgcagctg	cggcgcggca	ccaagtacca	gcgcttcccc	gactggctgg	180
accactggct	acagcacccg	aagcagatcg	ggctgctcag	cttcttctgc	gccgcccctgc	240
acgccctcta	cagcttctgc	ttgccgctgc	gccgcgcccc	ccgctacgac	ctggtcaacc	300
tggcagtcaa	gcaggtcttg	gccaacaaga	gccacctctg	ggtggaggag	gaggtctggc	360
ggatggagat	ctacctctcc	ctgggagtgc	tggccctcgg	cacgttgacc	ctgctggccg	420
tgacctcact	gccgtccatt	gcaaactcgc	tcaactggag	ggagttcagc	ttcgttcagt	480
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cccgcgcctt	cgaggagagc	cgctacaagt	tctacctgcc	tcccaccttc	acgctcacgc	600
tgctggtgcc	ctgcgtcgtc	atcctggcca	aagccctggt	tctcctgccc	tgcatcagcc	660
gcagactcgc	caggatccgg	agaggctggg	agagggagag	caccatcaag	ttcacgctgc	720
ccacagacca	cgccctggcc	gagaagacga	gccacgtatg	aggtgcctgc	cctgggctct	780
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tgtatgcagt	actattcaga	atgatataca	cacatatgtg	tatatgtatt	tacatatatt	960
ccacatatat	aacaggattt	gcaattatac	atagctagct	aaaaagttgg	gtctctgaga	1020
tttcaacttg	tagattttaa	aacaagtgcc	gtacgttaag	agaagagcag	atcatgctat	1080
tgtgacattt	gcagagatat	acacacactt	ttttgtacag	aagaggcttg	tgctgtggtg	1140
ggttcgattt	atccctgccc	accccatcc				1169

<210> 4681

<211> 548

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(307)

<223> similar to gil786291 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

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<400> 4681
ccaggcgag cgcgacagcc aggtagaaac ctggattgcc agcctgaacc cgctcaccca 60
ggcacttacc atggtgctgg atttaattcg ccagtcggcc cccttccgta aacaaaccag 120
cctgaatggt ttttatcagg ataacggtgg cgatgccgac ttgctgcgcc tgaatctgtc 180
gctcgattca cagctttatc cgcaaatttc cggacataag agccgttttg ccattcgttt 240
tatgccgctg gacactgaaa acggacaggt accggaacgt ctggatttcg aactggcctg 300
ttgctaagga gtaaaaatgt cagaaactat tacggtgaat tgcccaacct gcgggaaaac 360
ggtggtgtgg ggtgaaatca gcccgtttcg gccattttgc tccaaacgtt gtcagctgat 420
cgacctcgga gaatgggctg ctgaagaaaa acgaatcccc agcagtggcg atctttccga 480
aagcgatgac tggagcgaag aaccaaagca gtgacatttg tctgatgccg cacgtatgcc 540
ttgaaagg 548

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```

<210> 4682
<211> 1167
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (64)...(922)
<223> similar to gi4586838 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4682
catcagaggg agctgagggg ggcctgacct gaggcgggca cccggagctg gcgggagcca 60
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ctgcctggag gtggtggcgg ccaagtctcc agctgctcag atactgatgt cccctacctg 180
ctgttgcccg tcaagtcaag accagggcgc tttgcagaac gacaggccgt gagagagacg 240
tggggcagtc cagctccagg gatccggctg ctcttcctgc tagggctctc ggtgggtgag 300
gcggggcctg acctagactc actagtggca tgggagagcc gtcgctacag tgacctgctg 360
ctctgggact tcctcgacgt cccattcaac cagacgctca aagacctgct gctgctggcc 420
tggtggggcc gccactgccc caccgtgagt tttgtcttgc gagctcagga cgatgccttt 480
gtacacaccc ctgccctgct ggctcacctg cgggcccctg cacctgcctc ggcccgaagc 540
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gtcattgccg ggcgcctggc acctggctg ctgcgggcgg cagcccgtgt ggcacccttc 720
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caccaggtct tcctcacagc ctggccagca gaccgactg cggaccactg tgctttccgc 840
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cggccctggc ctgggcctct ggggcgggcc cctggctcag cccctccttc caggtcttga 1020
tgggagggag gagggccagc aagctggaca acttaagcca ctcttggcc tccccagcc 1080
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aaacatgcac tccccactct gaaacga 1167

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<210> 4683
 <211> 3024
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (82)...(1312)
 <223> similar to gi2257588 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4683
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 cagttccagc ggccgcagaa ccagcgcgcg ttctccatgg aggacgtcag caagaggctc 180
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 ccagatctgc ccaagccgct cagccgcagc tcccgcggg cctccctgtc agacattggc 300
 tttgggaaac tggaaacata cgtgaaactg gacaaactgg gagagggcac ctatgccaca 360
 gtcttcaaag ggcgcagcaa actgacggag aaccttggtg ccctgaaaga gatccggctg 420
 gagcacgagg agggagcggc ctgcaactgcc atccgagagg tgtctctgct gaagaacctg 480
 aagcacgcca atattgtgac cctgcatgac ctcatccaca cagatcgggtc cctcaccctg 540
 gtgtttgagt acctggacag tgacctgaag cagtatctgg accactgtgg gaacctcatg 600
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 caccgcaaga tcctgcaccg ggacctgaag cccagaacc tgctcatcaa cgagaggggg 720
 gagctgaagc tggccgactt tggactggcc agggccaagt cagtgccac aaagacttac 780
 tccaatgagg tggtgaccct gtggtacagg cccccgatg tgctgctggg atccacagag 840
 tactccaccc ccattgatat gtggggcggt ggctgcatcc actacgagat ggccacaggg 900
 aggccccctc tcccgggctc cacagtcaag gaggagctgc acaaaatcaa tcgcctcctc 960
 gggacccccca cagaagagac gtggcccggc gtgaccgcct tctctgagtt ccgcacctac 1020
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 ggcattccacc tcctgagcag cctgctcctg tatgaatcca agagtcgcat gtcagcagag 1140
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<210> 4684
 <211> 935
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (30)...(266)
 <223> similar to gi3978472 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4684	
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cgaggctgga	gcccagtgac attgtctatc tcatccgctc cgacccccctg gctcacgtgg 180
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acctattttt	acacgtcgat gcagtccact tctctttaca cagatgtacc gcaactcgtg 540
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tgtgctggag	ggtgttgctg gtgtgcatgg ggaggggagc tgaaccacaca tcccaggagc 660
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<210> 4685
 <211> 6229
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (3)...(5218)
 <223> similar to gi3449308 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4685

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ccacacccgc	cccggttccg	ccagccccc	gctgctccc	ggactgtggc	tgcagcttcc	180
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gtgggctctg	cttctgccag	gaccacaccg	aggttgccca	ctgccagctc	tgctccccag	420
gctattatgg	ggatccccgg	gccggtggtt	cctgctttcg	ggagtgtggg	ggtcgcgccc	480
tcctcaccaa	cgtgtcctca	gtggcactgg	gctcacgccg	ggtcgggggg	ctgctgcctc	540
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<210> 4686
 <211> 1707
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1708)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (3)...(1605)
 <223> similar to gi4101720 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4686

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<210> 4687
 <211> 1144
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (6)...(256)
 <223> similar to gil890664 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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 aatcaaaata atctttcatt cgtcaccatt atactaatga acaatagatt tcatgtttca 420
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 ataacaatga aataaatacc catgtaccca ccactggact tcagaagtag aactcatgac 1020
 tgggactagg atgaggcaag ggagaccctg gccttgggca caaatgtaa gggatgcca 1080
 aaaaatacag taatcaaagt aagtaatatt tcaatccaat attttttaaa atcagaatta 1140
 atgc 1144

<210> 4688
 <211> 346
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (5)...(237)
 <223> similar to gi4062743 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4688

cagtctgatg	gcgtggaatg	ttgaagagag	agcacgattg	tggctggaag	catggcgttt	60
atcattgtca	ggatggcaca	tttctgttct	tgctgatccc	attgaatcgc	cgcgcccgga	120
actgttcccc	acgcaaaca	tgattgtctg	gacaggcatg	gcaccaacga	gaaggcaaaa	180
cgaactttta	caacactggg	gtgagcaagg	ttataaagtc	atctttcatg	ccccctaatt	240
tcacctttat	cccgcccctt	agacagaatg	ttataatctg	aaccacaac	agcgtttgta	300
ccggagctgg	tccgttgcaa	aatgctcacc	gggagaattc	gatatc		346

<210> 4689
 <211> 2428
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(2429)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (30)...(1336)
 <223> similar to gi204222 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4689						
gtcagcacag	ttctagggcg	gggatatcat	ctgtggccat	gccctgggca	cccctgggtc	60
actccggctc	ccaccagctc	tgtgtaactt	tctcctccct	ccactgtttg	accaggcgca	120
acatgcatca	gatgacggac	gggctggata	agccagggtca	gatccgctgg	ccactggcca	180
tcacgctggc	catcgccctg	atccttgtgt	atcttctgtat	ctggaagggg	gttggctgga	240
ctggaaaggt	ggtctacttt	tcagccacat	acccctacat	catgctgata	atcctgttct	300
tccgtggagt	gacactgccc	ggggccaagg	agggcatcct	cttctacatc	acacccaact	360
tccgcaagct	gtctgactcc	gagggtgtgg	tggatgcggc	aaccagatc	ttcttctcat	420
acgggctggg	cctgggggtc	ctgatcgctc	tgggagcta	caactctttc	cacaacaatg	480
tctacagggg	ctccatcatc	gtctgctgca	tcaattcgtg	caccagcatg	ttcgcaggat	540
tcgtcatctt	ctccatcgtg	ggcttcatgg	cccatgtcac	caagagggtc	attgctgatg	600
tggcggcctc	aggccccggg	ctggcggttc	tggcataccc	agaggcggtg	accagctgc	660
ctatctcccc	actctggggc	atcctcttct	tctccatgct	gttgatgctg	ggcattgaca	720
gccagttctg	cactgtggag	ggcttcatca	cagccctggg	ggatgagtac	cccaggctcc	780
tccgcaaccg	cagagagctc	ttcattgctg	ctgtctgcat	catctcctac	ctgatcggtc	840
tctctaaca	cactcagggg	ggtatttatg	tcttcaaact	ctttgactac	tactctgcca	900
gtggcatgag	cctgctgttc	ctcgtgttct	ttgaatgtgt	ctctatttcc	tggttttacg	960
gtgtcaaccg	attctatgac	aataccaag	agatggttgg	atccaggccc	tgcactctgg	1020
ggaaactctg	ctgggtcttc	ttcacaccaa	tcatgtggc	gggctgttc	atcttcagt	1080
ctgtgcagat	gacgccactc	accatgggaa	actatgtttt	ccccagtg	ggccagggg	1140
tgggctggct	gatggctctg	tcttccatgg	tctcatccc	cgggtacatg	gcctacatgt	1200
tcctcacctt	aaagggtctc	ctgaagcagc	gcatccaagt	catggtccag	cccagcgaag	1260
acatcggtcg	cccagagaat	ggtcctgagc	agccccaggc	gggcagctcc	accagcaagg	1320
aggcctacat	ctagggtggg	ggccactcac	cgacccgaca	ctctacccc	ccgacctggc	1380
tgagtgcgac	caccacttga	tgtctgagga	taccttccat	ctcaacctac	ctcgagtggc	1440
gagtccagac	accatcacca	cgcaggacag	gggaggtggg	aggacagtta	gacccctggg	1500
tgggcccctg	cgtgggcaag	gatacccgg	ggcttctggc	acctggcggg	ctggtgacct	1560

<210> 4691
 <211> 1370
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1371)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1370)...(589)
 <223> similar to gil060896 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4691

tttttttttt	ttcaatgtca	aatgcacttt	actgggcccc	tgggcctccc	aacactgtcc	60
tcaccaaggc	tggggcaccc	cattcccagc	accaccagct	gcccaggaag	caggacggat	120
agagggaaca	catgtggaat	ggctgttctc	ctaccccaga	gggtgccgga	tgatgttgac	180
agcacggctg	cttccctctc	ccctgcagct	tctgtcccca	cccagcagct	tggcctttcc	240
catagcaggg	aagggggata	cctggggctt	caaaccagcc	acctgtcctc	gcttaaaatg	300
gggcaagggg	ccatttgcaa	aattcttcga	ggggcagtgg	tgaggtagaa	ggggtggcag	360
cctgctcctg	tctgggagag	ggctgggcag	acactgggag	ccgggcagac	actgggagcc	420
gggctggctc	ttgcttcagg	cccagagccc	tgggccctgc	tcgctgagga	agctggtggt	480
tggagcggcg	aggttcaacc	agctgaggct	ggagggagta	ctgggtggcc	aggaggggta	540
gccagtccaa	ctcggctctc	ctcagcaccc	ccagccatgg	gtcaccagtc	ccgctcagca	600
ggttctcggg	aggggaggcc	taagagcctg	aagacatcct	tctcagtggg	agtgggcagc	660
actcgccag	gccccacctt	gcagccatgg	gtgttccgga	ccacagcagt	gctgagggca	720
tgttctgaca	gactcatgcc	cttggttttg	gccagggtc	gcatggagcg	ggtgaagtgt	780
gcagagccgg	tgaagtagag	cagggcacag	gcaaactcgc	tatagggcac	cacgatgatg	840
tccaggcgcc	ggtgccgccc	ccctggccct	gggagccggc	acacccccaa	gtacttctgt	900
tgctgaccat	tctcctcttg	gctcaccaag	tcattctgtga	ggaacccttc	ctgccgaaga	960
ctgtcaagga	ggcggctgaa	gatacccccg	tgggaccggc	catctgggtg	agtgatgagc	1020
acgtcgacat	caccacaggt	cgcctttccc	cgtcggtatg	aaccacatgc	cacacacagc	1080
agcccagagt	taaaggcctg	ggctgctttc	tggactgtct	gctcaatctc	tgtagcctcc	1140
tccctgggca	tacgttccag	gaagtcaactg	taatgcttca	ggccgatggc	ctgctggggt	1200
gtcagggagg	cctggctgcg	gatgtcttcc	agacttcgga	agccctgttg	gtaccacatc	1260
tgggcagtct	tgggtcccagc	tccccagatg	ttggagaaga	gctccaagac	aggcacgctc	1320
gnnttccncc	ncnctgccag	tgctctcatt	ggtctcattn	nggnaccgag		1370

<210> 4692
 <211> 1389
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (349)...(442)
 <223> similar to gi5689435 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4692

gcacccgtag	ccgtgacgat	ggtgacacac	gccggtgtcc	cttcctggag	atgaactcag	60
tgacttccca	caagaagcca	ctggctacgg	ctctcatcgt	tcttggttctt	tggatgaaga	120
tgctgagtca	ctgtccatgt	ggctgtgatt	ggccccaga	ggctccccag	ccgcaggcca	180
gggaccagcc	atggtgcctc	tgctcgagag	taaagtgtac	agtttttgca	gccaccatag	240
atgcagcgag	atgcctcacg	ctgggtgggg	gtgggggccg	cggctccatg	gcggttacca	300
tttcatattgc	tgtgctttat	ctgctgtgcc	ttgtttctcc	ccggccctag	gcggaagggtg	360
ctctaccagc	gtgcacccag	gaatatccac	cgccatgtga	tcctctctga	gatcaaggaa	420
gccgtcgctg	ccctgcccc	ggtaaggagg	aaaggctgaa	atgggagctc	tgtgtaagcc	480
ggtcacatgc	acgtcccttc	tgtccggggc	ggtccacatg	caggcggtgcg	tgggtgcgggc	540
tccctcagca	gccagcccc	gccacggcag	gggcagggtc	tagtgcagag	ggctcctcct	600
ttcctggcag	cccgggttcg	gatgcttggt	gttttgagag	agaaatcctt	tggggctcag	660
agcacaagct	gagtcgtcac	cgtggtgagc	tgctccatcc	gtggtcttgt	gagcgctggg	720
tgcggctgct	gggggattct	ctgtagtcgt	ggggtgtagt	cctgctctga	cgctcctgt	780
gctggagggt	gccgtttctg	tctcaaaaacc	taaggagttt	gtactgttgt	taagggataa	840
gatagaacga	gtgagaaaac	cagcaagtca	gagggtcgca	ggaccgtgga	ccgtccactg	900
gggacagctt	agtgcctcct	ggtttaaactt	cagctgctct	gcggggccctt	atgaccggca	960
tggctggctt	tgtctggggc	tgtgagcttc	tgactctcct	cagtagagtg	gcagcacgtg	1020
gcactgtgca	acccgagggc	agctcagggt	ccctgtagcc	tgcatattgt	gaagtgggag	1080
cttctgacac	gtggtgaaga	tgttggcagg	cttgagcggc	acgtgacccc	cttccttccc	1140
caccacacac	tctggtgtgc	agggcagacg	ccgtgcaggt	tcatctcgac	tcccgtgagt	1200
gtcctggtgg	cagaaggact	gtcccaccct	cacccaaagc	tcgttggtac	aaaaagcaca	1260
gccgtttctg	tcagactctg	tggctatctc	tcagcagatg	catccagtcc	atgctggagt	1320
cgacagaagg	actctgctg	gagaggtaga	ggccccctgg	cagcatctgt	agcatcttcg	1380
ttttatgtg						1389

<210> 4693
 <211> 1203
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1204)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1057)...(928)
 <223> similar to gi3219336 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 4693
tttttttttt ttggtttctt ttcagtgttt tattttttcaa aatatacaat ttaagttttt 60
atttcacaac cgtagttttg tatattttatt ccaaaatctt taaatagctc cgcagcaaac 120
agtacaaatc acaagggtccg tcaaaactgct tctctttagc ctttacactt ggcgagtttt 180
ttaagtttca agtagtaatg gtttgtgggt aagaaaggaa ccaaaaacag gaggaaacaa 240
catttttttac ataagctcaa catgtaggat tagaaagggc cgtctgacca gtccttgggt 300
ctgggaccag actaagaaca tgtatctggt ttataaataa gaccgtcctg ggagcagtga 360
gggttttggg tacgaggagg aaggggcagg aacctcatct gcggaggctg ggaggcaggg 420
ggaggtgagg cactgagagg tggctccttc tgggagcgcc cgagttagggg cctgagcggg 480
gtggaggcca agaattggcca gggacggggg ggggctgcca ctggtggaga agcctcctca 540
gcctcccttg gggagaaggg ctgtgattct ggaggcaggg gagggacggc aagaaaagct 600
gccaggtcct aaagcaagca gctgggactc ctgccagcca ccctgggccc aacgacgcag 660
gcagctggca gggccagagg ggctgcccc aacctcagag caccaaagcc tccccagaag 720
gctgtctctt cttgctgagag ctctttgtcc acctcagag caccaaagcc tccccagaag 780
ggacagcagg gaggacaggg accacagatc ccacagaccc acttctgact gtgaaagcga 840
gctgtgccgt gcaggcagct cctaggcagc ccatgaggct aaggcacaag ggtgacacag 900
gtggccacga gggtcagtt ttctttcattt ccccttgctg ctgctacctg tggccacggc 960
ctgaagcagt cctgtgggct gagctctagg cagggacgct ccaggaagaa gtgggtcacc 1020
aagggccacc tggccacca gtggatgtga ccctcctacc aggggtcagg cgggcgggtc 1080
tgcctcaggg cccctcagc aaattccact agaatgcagg gccggacaca gcccatcctg 1140
cctggccnng ccnnccttct tgnngnnnttc cncgccaggt ggggtgtctt caacggcact 1200
cct 1203

```

```

<210> 4694
<211> 935
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (661)...(371)
<223> similar to gi2621120 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4694
tttttttttt ttaactgaag agtttattat actttcaact tttctgcaga tgtaacattt 60
tttaaataaa aagttgagaa taaaaaaatc acaaaaatag ttttgctgaa gaaaatacca 120
cacattcctt ttactataa tatttaatat aataatatac acttatacat tgggtattatt 180
tacattcat taaaaaaaac ccattcaacc tggaaattaa ctaccttaaa cacactattt 240
aactttcagg tgctaattga tttaatttct ttaaataatta aatccaaaat gggctcaata 300
tcctaaatta ctgataacta gatgcagatg taaggatcat gaatcaatac ttccattaag 360
ttaaaaaatat caataatttt ttgcaacatt tcttctttgt ttttcttctt tgtctaggaa 420
taggctgttt taagctcaaa gtagcatctt gaaatccagg atttaagtct aagaccttct 480
tgaaatcttc caaagcatca tcaaaatata ccagcctata cagtatcaac cctctgttgt 540
aatatggaac ttcaaaattg ggttggaact ctatggcaga tgtgtagtca tccatggctt 600
cataaaaatc aaccctgaag tacttgattt gccccctgtt gttatatgca gtagccaaat 660
cctcagggtc gcatttgctc ccgggactct cgtcgctgga ggccgcgcaa gcgcaccggc 720
gaatgtaagc ggagtacagt gcctcggcct ccgcgtactc tccattgttg aaatgagcct 780
gggcgagtggt tagggttgcg tggctttctt gccgctgtcc ttccatagca gccaaaggcct 840
agttttcggt gtagaatggg gggttgacct cgagcggtta gaggtggcac cacaagacca 900

```

<210> 4695
 <211> 1908
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (47)...(434)
 <223> similar to gil655625 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4695
 cgccacgcgc tgtctgatgg gccactcgga gatcgttggt cagggattgt ccggcgagga 60
 cgtgctggcc cgcccgagc gctttgctca gctagagctc tcccgcgccg gcttggagca 120
 ggagctggag gccggagtgg gcgggcgctt ccgctgcagc tgctatggct cggcgcccatt 180
 gcatggcttt gccatctggt tccaggtgac cttccctgga ggggagtcgg agaaacccct 240
 ggtgctgtcc acctcgctt ttaccccggc cactcactgg aaacaggcgc tcctctacct 300
 gaacgagccg gtgcaagtgg agcaagacac ggacgtttca ggagagatca cgctgctgcc 360
 ctcccgggac aacccccgtc gcctgcgcgt gctgctgcgc taaaaagtgg gagaccagga 420
 ggagaagacc aaagactttg ccatggagga ctgagcggtt ctttttctcc cagctacctc 480
 ccaaagcagc ctgacctgcg tgggagaggc gtagcgaggt cggaggggaa agggagatcc 540
 cacgtgcaag tagggggaat atctccccct ttccctcat agcctctagg gagggagagt 600
 gacttcattc tccatttgaa gagattcttc tgggtgatgtt tacttaaaaa gtgatcccc 660
 tcaacaacgg atacagcgtg cttattattg ggcatattagc ctcaaaagca tgtagtacca 720
 agcacttgta tttccgtata ttttgtttcg cgggggagtg agggggaaga acacggatga 780
 aaatgtcagt ttttgaaggg tccatgcaca tccctgacac ctcacacctt atctaagtct 840
 gaagctgggg agaaaggagt tcathtagac ttcatacatt tccagtagca ctttagtatc 900
 tctccagagc catattttct cagtccgaat taattcccc tccctaggtg cctgtaggct 960
 atggtacttc ttctcattg ttttctaggt aaacttcaact actggttaatt aagggggaagg 1020
 atatgaggaa gcagttttaa tagccctgtt ctcatctac tgaccacata catcataggg 1080
 tgctaaagt gatgaacaca ttaatccgtt aagtaaaatg gactttgtaa ttgtacagca 1140
 tacctaagaa actcagaagg tgcatttaag agagagacct gaaagaaata gtatggattt 1200
 ttaaaaattc ttgtctctac tattataacc aaaaaaatat ttcttgtagt tcccataaaa 1260
 atatttgtgt aattcttatg aaacaggctg gtagaggagg tttctgagcc tagcccaagg 1320
 gctttattca tcacatggg taaattattt aaactcaact aattaaggaa aatattttcc 1380
 cagctagaaa aggtatactc ctttctcttt ttaaactctc tcatgtggag ggatcatgtg 1440
 agttggccta cttacaagta gtgaaagttc ctttttcagt tttgttttgt tttgttttgt 1500
 ttttctcttt cactcagcca aatgtgaaag ttgtgaattt aggaaaatca cttgtaatga 1560
 agtgtgaatc ttgttatcaa atttatttct ctgatgtttc cttccttctc cttgtagcca 1620
 ataaaacatt gacattctca cgttttatag atgaggtaaa aagtcttggt tgctgtgagt 1680
 tataatgctt ttgccttttt aatattatta gttcttaagt gttacagccc cttcagaata 1740
 taacttcagg acaattcaaa ctatgcttaa tgtatgattt tcgagcttct gtatgctaag 1800
 aaaataggtg tgaaaaactg gtgttctgaa atagcctaac atttattgta attctgaatt 1860
 ttctgccctt ttattcattg catattaaag tattagagta taaaaact 1908

<210> 4696
 <211> 792
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (741)...(228)
 <223> similar to gi5304869 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4696
 tttttttttt ttgctctgag acatttttatt taaacttttt ttttttaaaa aaagacagca 60
 ataattaatg ccaagaacag aaaagaatgt tgacgtgttg cccggcccgcc caagcggggcc 120
 cctgccagag cccccaagct ctgccaccac tggggtgccg tccccctccc cagcgggggca 180
 cagtcagctt tgaaggtgac agcggggcaa ggccaggact ctgggtggag gacttgtgtc 240
 ggtgaagcag gtgctgcagg aagttggcgc tctttagact ggggtcccc cagggcattg 300
 ccgagcagat gggggcacacc acgcggttg ggctcgctgc gtggctttcc acacagtgtc 360
 tcaccagctc ctgctgggtcc aggttgccgg caccacagta cgggcaggcg aaggtggacc 420
 tgttggggat gttgctgggg ataggctgtg atgtgggcac cacggggacg aacttggggc 480
 agttggccat ctgctcctgg accttcaggc aggacgaaat gtgcactctc atctttgcca 540
 gggtcacctt tttgttgtag cctcgacagg gcgctttgta ggatgagagc tgcttctcca 600
 cgtgggtggc cttgtccacc ttcttggggc cgaagggcag gcggcagagt gggcacagcg 660
 gggatggcac ctgcaggcag ggctggagac actccccgca gaaccagggt cccagcaga 720
 tatttccagg gtcattccctg gcaactgacc ctggatttga gccggggggg ccgcctactt 780
 caccggttca cg 792

<210> 4697
 <211> 2223
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(2224)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (2164)...(517)
 <223> similar to gi6013102 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4697
 ggtggtttac acagcacgca gaggaggctt tacagtatgt tggtggggag ctggtgctta 60
 ggtgttgtgc catctctgcc tagaatctgc ctaggagctg tgaggtagag gaagctttcc 120

ttggtagctg	tggagaggac	acgttttcttg	cgagtatggc	tggagaagcc	cccacctccg	180
gtcccaacac	aacggaacac	atggagtttt	gctgtgggtg	ctggaggatc	ctgtcttgag	240
cttgcccttg	cttaggctgg	actgtgtaag	acaagcactg	tgaagtgttc	caactttatt	300
taaaaccaga	cagccctgct	accatgcccc	cgctcctcag	cattgctcta	ggggaggagc	360
tggatgaact	atggcccttc	tgccaagccc	aggtgctagg	ggaggaaccc	cttgcttgag	420
atgtacagga	tggactcctc	acttcttctg	ggcttgtgcc	ctggcccgtt	gaatcttgtc	480
agctgtggcc	ccatctgtgg	ctcccgtgca	gtgggacaat	acgaggctca	gctcagcctc	540
attccggtgt	tcgatggcca	catctgcagc	ctgagccaca	tcgccaacaa	gaagcaaagc	600
cttgaccttc	tgctcgggac	ccacgcggga	agcatacttc	ttggcttcgt	atttgttatg	660
ttgtttcatg	cagatctcca	caaaaaggcag	gtagccaatg	ggtgatttct	tgctcttgga	720
aaacttctct	agctcttccc	aatcttccaa	atctgccagg	gcagtcagct	tcagccacca	780
gagcctcttg	tcagggatgc	ggaagtcacg	tgccagctgc	tctgcacgct	tgttgtgacc	840
gccaagaatg	aggggtgtaa	ctgtgtcatg	tagagacagg	tctaggaact	ggccccccag	900
ctcgtcttct	aggcgcgcgt	gcagccgtag	gagccgcatt	tgatcctctg	tagccttggc	960
tgcaaaactca	ttcttggcct	tgtagaaggc	atcggcggct	gtctgcagag	ctgctaactg	1020
cccctcaata	cgctcttctg	cagcatagct	ggctcggatg	tggaagctgc	ccaattcctg	1080
gtgattgtca	tcctgattgt	aaaggtcctt	cagcgtctct	agctcctgat	gcttacagaa	1140
ctgtcggtag	aaactgaggg	ccatgggctg	attccgaagg	gtcatgaaaa	aatctcctcg	1200
gttcagctcg	ttcttcaggt	gcagcaaacac	cgtgaacacc	aggtcagtgt	ccccgctctc	1260
gatggccttg	cttagtgcca	gtttgtctct	cttcatcttt	aggagaaggg	gtacctgctc	1320
ccctgagcgt	ggctcatact	ccagcagctt	gatggccagc	tccgtgcggc	cacaaccata	1380
ggctcgtgca	gcaatgtcgg	agtaagagac	accaggcgtg	tccccagct	tctggttaat	1440
ggctcgagcc	acatcctcat	ctgagacatc	cttctgttgc	accttgtagc	aggcccagtg	1500
ggccaggatc	ctgctgacgc	cctgtacttc	aggaaaggcg	aagtactcgc	atatctggat	1560
ggccaggggg	taaagtctcc	gcaacacgag	cctgtccagc	agcacctgga	tggtgagctg	1620
cttatatttg	ctataggtga	gcgggatccc	gatgtgatag	tcccgaacag	cattgagcac	1680
acgcagggtcc	tgacacatgt	gcacgaagct	gtcgggtgga	aatctgtcca	ggaaacactt	1740
tccgaaggag	gcggccctga	gcagactctt	ctgcatgtct	ggctgggtgt	catgtcctgc	1800
agcctcaatg	cactgctgca	cggcctgggt	cagctggccc	agctcctgga	tctcccgcag	1860
gtactcgctc	gccttctggt	tctctttctc	atactccttc	tgagcctcca	ggagcagcgc	1920
cccggggggc	attgaggcaa	ttttgaagat	ttcctcgctg	gccgctggaa	cctcatgcag	1980
gaactcgtgg	gtgctgcggg	agaagatgcg	gaccccatcg	agctcaggca	ccaggtagga	2040
gtcctcatcc	agcaciaaact	ggatgctctc	gggtgcatcg	cccaccacca	tcagccgcct	2100
ttcccaggcc	accaccacgg	ccctctcctt	gctacgagga	cgaaaacacc	agaacatctg	2160
ctttggagggt	gcccggatgt	tgcagttgag	ctcncatagc	ttctaantatt	tccagaacac	2220
tac						2223

<210> 4698

<211> 1148

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1149)...(853)

<223> similar to gi2505957 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4698

aagctgaagg tccttgcaag accttatctc tcctgtcctt tatagcatcc cgccatccag 60

```

agcactgccca ggaacctgca tggtagcgca atgactccca gcagtgcgca ggtgattggg 120
ccttgggacc agagtgaagg tgagataaag gggagcccag ggccagaccc ctgtcaccca 180
cattcctgtc cccttccctt tccagccagc ccagagacca cagcagcaca agaggtggcc 240
agcttaaaaa agtttaattg ctgaaaacat ccaaggcagg tgcgggcccag tccctgcggg 300
gctcacacccc cccttattgg accatcagct ctgtgatgcc cccttctcct ggctacaaac 360
ctgggaagta gggcagctgg tcccaggggc ctgagactgg tgctgctcta gaaggcctgg 420
tggggggcca gcccccaagg cccttgacca gaactggaac agcaggcaag atggggcagc 480
gtggggtgac caaagatcct ggatgaggcc aatccaggct gggaccagcc caggtcagca 540
gtgagaccag gggagacagg gtgcccaggg cctgcccagg gacatgctgc tgaccccccg 600
ccaccctgca cccctggcca catgctagcg ggtagctgat gagcagcagc tgacccccaga 660
gacagcagag gtgaaaacag tccctgggaa ctgcccaggg cccagaggat gtggaagtgc 720
ccacgggaag gcaggagtgc aggggtgaca tgtgccgggg ccagagaggt atcttccagc 780
ttgaggatga gccgtgagg gtgcactagg aagtggcagc acaggtaggg tggaggtgac 840
gggggcccag gctagtccca ctgcctcctcg tccacgcctt caaaggagtc ctgggggagt 900
gggtcctccc gggtccccag ttttgccacc atggcattca gcagctcctc ctctttttgc 960
tggtcagact tttcttccag gtactgcgct gaggatgggg cccgacgagc aggggcctct 1020
cggggggctt ggctcactgg gctcatgtca ggaggctgca ggctgagaag ccagggctgc 1080
ccattagcgc cttgcagcca ggcctcggca ctgagcacag gctcccagat cacagccgtg 1140
tctgggaa 1148

```

```

<210> 4699
<211> 1872
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (15)...(1056)
<223> similar to gi3878000 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4699
ggaattccta tcccactgg ctcaagttcc acattggtat caaccggtac gagctgtact 60
ccagacacaa cccggccatc gaggccctgc tgcacgacct cagctcccag aggatcacca 120
gcgtggccat gaagtcgggg ggcacgcagc tgaagctcat catgaccttc cagaattacg 180
ggcaagcgct gttcaaacc atgaaacaaa cgaggagca ggagacaccc cctgactttt 240
tttatttctc tgactacgag aggcacaatg cggagattgc tgccttccac ctggacagga 300
tcttgactt ccgccgggtc cctcccgtgg ccggcaggat ggtcaacatg accaaggaga 360
tccgggacgt cacacgggac aagaagctct ggaggacctt cttcatctct ccagccaaca 420
acatctgctt ctacggcgag tgttctact actgctccac ggagcacgcc ctgtgcggga 480
agccagacca gatcgagggc tgcgtggcgg ccttctgccc cgacctgtcc ctggccaaga 540
ggaagacctg gcggaaccct tggcggcggt cctaccacaa gcgcaagaag gccgagtggg 600
aggtggaccc tgactactgc gaggaggtga agcagacacc gccctacgac agcagccacc 660
gcatcctgga cgtcatggac atgacgatct tgcacttct catgggaaac atggaccgtc 720
accactacga gacttttgag aagtttggga atgaaacgtt catcatccac ttagacaatg 780
gaagaggggt tgggaagtat tgcacgacg agctctccat cctggtgccg ctacagcagt 840
gctgcaggat ccggaagtcc acctacctgc gtctgcagct cctggccaag gaggagtaca 900
agctgagcct gctgatggcc gactctctgc ggggggacca ggtggcacc gtgctgtacc 960
agccgcacct ggaggccctg gaccggcggc tccgcgtcgt tctaaaggcc gtccgggact 1020
gcgtggagag ggacgggctc cacagcgtgg tggatgacga cctggacact gagcacagag 1080

```

```

ccgcctcggc gaggtagtgt ccgccggccg ctgcgctgcc cgggacggag acagaggcgc 1140
cggacctccc agcaagcgca tgcgcccgtc gtgaattcag tgaattcaga ggcaggacgg 1200
gatcatccgg agtcgggagc tgctgccaca ggaggcgagg ctccccaggt ctcataggac 1260
acatthttgtc agtgthttgac cagaaaaagct tgggaaggaa gcgctgtctg tgctcacgga 1320
cagaggcggc cggcgccgga ggcattccat cctttctgta gggaaaggag cctttattta 1380
ctatthttgta thttatthttg atgaataagt atataaacag agacgtgtac acagatgccca 1440
atcacctacc aaaccaaaca cgaggaccgc cctccctggg tctggggggcc cctcaaggcc 1500
aagctcacc cccaagtgtc ctcacactcg ggacctaat caagtaaaaa ccctttctcc 1560
ttcctggggc ctcggtcctt ggagggtctg agggctctgt ctgaggacgg gaggaggctc 1620
tcgctggacg tctggcctgt gcgctggtgg acggatgcct acgtggtttt ggaggacccg 1680
atgaccaggc gtctctgcag tccgcccgtt ggctgcagc acccacctcg gacttggtgt 1740
tggacggttg gtgcaagtgc atcctgcagg gctggctgtg cgcagctgtg ggctgacctt 1800
tgcagagttt tgtggaatag tttgcaatgt cataaaagtg caataaaggc acagcagatg 1860
tgaaaaaaa aa 1872

```

```

<210> 4700
<211> 1456
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (547)...(965)
<223> similar to gi5051483 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4700
cgctgaggat tatgtggaag aattacacaa atggcggtgt cctgattatt atgagaataa 60
tgtccacaag atgcagctcc cattttccag caagctcctg ggcagcactc tgacctctga 120
ggagaaacaa gaaaggcggc agcagcaatt gcggcggtcg caggagctca atgcccggcg 180
gcgggaggag aagctgcagc tggatcagga gcgtctggac cgactgctat atgtgcagga 240
acttctagag gatggccaga tggatcagtt tcacaaagct ctgatagagc tgaatatgga 300
ctccccagaa gagctgcagt cctacatcca gaagctcagt atagcagtgg agcaggctaa 360
gcagaaaatc ctccaagcgg aagtcaacct cgagggtggat gtggtagaca gcaagccaga 420
gacccctgac ctggagcagc tggagccgtc tttggaagat gtggaaagca tgaatgattt 480
tgatcccttg thtttcagagg aaacacctgg agtggagaag ccggtcacca ctgttcagcc 540
ctgtttaact tggcagcata tcatcagcta tttgttggga cagaaagaat tcgagctcca 600
gagattattt tccagccatc tctcatagga gaagaacagg ctgggattgc agagactctt 660
cagtaatttc tggacaggta cccaaaggac gttcaggaaa tgctggttca gaacgttttc 720
ctcactggcg gcaaacagat gtatcctggc atgaaagcca gaatggagaa ggaactgttg 780
gagatgagac ccttcgggtc ttctthttcag gttcaacttg cctcgaacct tgtgtctgat 840
gcctggtacg gtgctcgtga ctgggccttg aaccacctag atgataatga agtttgatc 900
accaggaaag agtatgaaga aaagggagga gagtacctca aggagcactg tgcttccaac 960
atctatgtcc ccatccgcct gccgaagcag gcctcccgtc cctcagatgc ccaggcatcc 1020
agcaagggtc ccgctgctgg tggagggtgg gctggtgagc aggcatagca gaggccctcc 1080
agagagactg cctgcacgc catgccttgg gccacgttgg cagtgtgaca ggactgtgat 1140
tgtgtagat gtacctgcc aagtctgtgt gtcacatttg gcagcaaaat ggatttctcc 1200
tggggagaa aaagttaagg gacactgaga cctgcccttc agaattcggg tcaactgggg 1260
gcttctgtgg tagagactaa ctggccttct gatgtctttg ttcaactgtg gccagctgtg 1320
gcatcagctt cctggagcag taaatgaaga cagagtggag gacacaaatg taaaaaatgc 1380

```

```
acaagactga tttcttacca catttttagtc tttcttggtt taaaaaaaaat tctttaaaaat 1440
ttaaaaaaaaa aaaaaa 1456
```

```
<210> 4701
<211> 1369
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(1370)
<223> n = a,t,c or g
```

```
<220>
<221> misc_feature
<222> (351)...(646)
<223> similar to gi5824626 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 4701
catctgtaca actctctccg tttctccgtc tctctccctc cctccctccc tccaccccc 60
caatcttttt ctccccatct ctccatctct ctcttatctc ttcaggaaga gcctaaaagg 120
cggcaacacc aacacctctt gacatggaaa tacactgata caataggcaa aaggaaacac 180
tcagattgca tcttcccggt tccaggtggc cttatttggg agattctata ctgaccttat 240
tctgtgatg gatgatactg gcatccagcc gaggcattct ggatggagat gccaaaggctg 300
tccaacaatg tctgacagat atttttacca gcgtttacac cacctgcgac atccctgaga 360
atgctatatt tggctccctgt gtccctgagcc atacttccct atatgacagc atagctttca 420
tagctctcaa gtctactgac aagagaacag taccgtatat ctttcgggta gacacctcag 480
cagcaaatgg ttcttcagaa ggtctcatgt ggctgcgggt ggtccaatcg gccagagata 540
aggaagagca gaaccttgaa gcctacataa aaaacggaca gctgttctac cgctctctcc 600
gcaggattgc caaagacgag gagttactag tttggtacgg gaaagaactg actgagttac 660
tcttgctctg cccctctaga tcccacaaca aaatgaatgg taggttggct cgcgaccggc 720
gtgtggggccc ttaactagcg ggggagagac gcagggagcg gcaggggctc acccggcgcg 780
ttggcgcgcc tttcttccct tcgggtgtct cataggaaga ttctgagata tagtctggaa 840
tgaagttaaa cagatagggtg aggataaagc gaggaaactt gcttgtttgc tgtattccct 900
ccaaatcagg agggaaagtt agatcagggtt ggtcattctt ttctcaggca ctcaggccct 960
gagaaatgaa ggtggatttg tcaaggggat ggtggcaaac tggcttgggg gcgatgctga 1020
gtaatcatgt ggtgtgcgtg tgtgtgtgtg tgtgcgtgcg tgcgtgtgtg tgggtgtttgc 1080
tcaataagca gggtcgtccc cttacacatg cctggaatgc agccaacgtt tccagtttga 1140
gttcccctat gtggcgcatc tgcgtttccg ctgccccaaag agacttcaca gcgctgatat 1200
aagtcccca aacgaacaag gcggcgcggt gggcaccaag gaccacgggg gcggcgcgcg 1260
cgggtggcaaa aaccagcagc agcagcaaca aggcaagcgg ccgacgaaat cgtcgacccg 1320
gnggttccgg nccaggggtc tcaacgacga ctttcaaaag gagccacg 1369
```

```
<210> 4702
<211> 756
```

<212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(757)
 <223> n = a,t,c or g

 <220>
 <221> misc_feature
 <222> (450)...(177)
 <223> similar to gi3970866 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4702
 ggaattctgt ccttgagccc aaagtctcag gtgcttgagg cgtggctaga aacagatctt 60
 ttggatccca cctctttcaa aaacaaaaag taccaactgg tgaggcagga agccagggtcc 120
 aggctgggac aggctccttt cctagggcag tgcgctacaa gagccggggg ggtcagttct 180
 gctgtaggat gaggttttcc agttcatctg cagagcgag caggaaggca gcagactccc 240
 ggtagcccg gatgagctgc cgcacggcgc tgatctccgt ggggctgagc tgagcgggtgg 300
 gcacgggctt gctgggtgctg gtgctggaag ggggtgggctg gggggtggtg gaggtggtag 360
 aggcccgcc tttcatgctg aggtccgtgg gccctgtgga gaggggaagta ggggtgagaag 420
 ggagcagcca ccctgcctgg catctgggag gtgtaccttc cttggcactg tcataacctt 480
 tggcctagtg cccactgtga gttgggcact gaagtccgtg gctctggtcc atctccctga 540
 tggctctatc cctagtgtt agaatgggccc tgcgggcgac agggttctca gagaatcctc 600
 aggggtgatct tgcaaggatc cgggttttagg tgaggaagag gcggccttgg ggcaaaggaa 660
 ctcccaagat ctgcctctcc tcagtgtggt gagcagagct tgcgaatggc aaatactact 720
 tccattgagg aactgtggga caagtgtctaa nagaaa 756

<210> 4703
 <211> 1344
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (950)...(335)
 <223> similar to gil632819 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4703
 tttttttttt ttggtttata ggagagattt atttgaagaa atattacaac atataaaaaac 60
 tacataaagt ctttaatttcc actcatacag ttgtagattt gatataatgc ataataaaaa 120
 acttttataaa tccagaatgc acaaagtact gcacaatttg atcactaaat cattagttga 180
 taagcgaacc tcacacaaca gcttcatgtc agccaaggcc acaaacacca tgtaccacac 240
 atgtgaacgg acagattgac atgttaaaaa cacaacatca gtgcatgttg gggattcctg 300
 gtgccagaaa caggggtgac gggagggcag aactagtcct tagcagcttc ctctccttt 360

atTTtagctg	aggcactctc	tCGggctttg	gccaaacatac	aaagcttgat	ctccaagcca	420
atggcttttg	ccaggggCGg	tggcacggca	ttgcccacct	gccggtgctt	gtccaggatg	480
ttgccgaaga	gccggttaggt	gtcaggggaag	ccctgggagc	gggcacactc	ccgcacgctc	540
accacacggt	gctgctctgg	gtggagcacg	cggccctgct	tgcccatggg	ctcgggggttg	600
gtgacggttg	tgctgaagaa	gccgtcccac	tcgagccttc	catagaggcc	agcccagtgg	660
ttgtgccggt	tcccgggtgtg	gggcaggcac	caggggatga	gggtgttgaa	ctgcctggct	720
gcggggctgc	aggctttgcc	ggcttccacg	caggagcaga	ccccacggag	ggccccagag	780
ctgctgcggc	cgttcttctc	gtcatggtgg	gtataccgca	gcttcctggc	catggtgccg	840
tctgagagcc	gcacctcgat	gttgggcaga	tcgcgccagt	ctgaccctgg	ggccaagggg	900
atgtgccgca	tgcgggcagc	caccaatgca	ctcatgtcct	tacagagtgt	ggggggccca	960
gctgtcacct	catgtgagca	gcatccgagc	atccatggtg	ggctgggagc	tgggaacacc	1020
atggtgacca	ggaagcccc	tggggctcac	gcccacgagg	aaagagacag	tcagggatat	1080
cgcacttggc	tcgaggccac	ggcagggacc	tgaggcagcg	caggtgtagg	agagcgtggg	1140
aatctaagct	gagcctttag	gggtgggggaa	ggggagtggg	gccaggggat	ggtgaaaggg	1200
ctggtcttgg	catcctggga	aaacatgcgg	ggagaggcag	caagggggaa	ggcagtgggtg	1260
ggtgggcagt	ggcttgacac	cattccagac	caagtccagg	actgcgggag	ctctgacact	1320
tcccatgacc	atgcaagaga	gacc				1344

<210> 4704
 <211> 450
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (34)...(157)
 <223> similar to gi3168866 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4704						
tattgacgac	cctagtccgt	gtggtggaat	tcgcagcccg	ctgctgcccc	cgacttctctg	60
cagctgccaa	cggagccagg	ccgcggccga	gcagccgccc	tggccgctgc	tgtggcctct	120
gcagccgctg	cacaggaggt	gggcccagc	agagagggtc	ccccagtcag	ggcccgtctc	180
gctgaccatg	gggaggacgc	cctggcgctc	ccaccctaca	caatgctcga	gtttgccag	240
aagtatttcc	gagaccctca	gaggagaccc	caggatggcc	tcaggctgaa	atccaaggag	300
cctcgggagt	ccagaacctt	ggaggacatg	ctttgcttca	ccaagactcc	cctccaggaa	360
tccctcatcg	aactcagcga	cagcagcctc	agcaagatgg	ccaccgacat	gttcctagct	420
gtaatgaggt	tcattggggga	tgccccactg				450

<210> 4705
 <211> 1420
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1421)...(1090)
 <223> similar to gi4580997 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4705

tttttttttt	ttctgagatt	ttttaaacia	aaacatttta	tttcaaaggg	cagataagta	60
ttttgctaga	cacaactgaa	aaaaacagcc	agagaacaat	tggagtttgt	cttaataaat	120
aacaaaatgc	catttatgtc	tcttaaaactt	catatgacac	aatacacatc	ttaaataaat	180
aacccagtct	gttgctatgt	attaaaaaca	gtcccagggtg	tgggtgtgtgt	tgtggagcga	240
agccggttgc	tgggcttgga	cccgccaatc	ccagtgcggg	tggggagacc	gcttcccaaa	300
cctctgctgt	gcccctgtgc	ctgagctgaa	cagcagcgcc	atggccccgg	agggcggcag	360
gaaggccagg	ggctgggatg	acgggtgactt	cggggcgctc	tgtggctggc	aagcctgggt	420
gcctccaacc	ggaggtgctt	cctgcctcct	cacccttggc	ttctcgacaa	ttagttttta	480
ggtcagtccg	aaacatcatg	ggtgctggaa	aagcctctgg	ggcgatgtgg	tgggtctgag	540
ctccgtcttg	gtttccaacc	tggttgtcgg	ccttcttgat	gttgtgtggc	gctggctctc	600
tgtttctctg	ctggccggca	ctgtctggtg	ggctctggtg	tcctgttttt	ccatgtggca	660
catacagggt	ctctgaagcc	acagccagcg	cagtactcgc	tcactttgat	gttctgtggc	720
tggaatgcct	gagaggggtcg	gggctacctg	tgcaccccc	ccaccctccc	ggccttggtg	780
tcacgcgtgc	atttggttgg	ctgcatgggc	acacgcctgt	gaggccaggg	ccggccgggt	840
cttcggttct	ctggcttggc	tcaggcagca	gttcctgcag	acttttctca	ctgctgttca	900
gcaatatgtc	tcctttaaaa	tagcaccagg	ggttctcagg	ttggcttctg	tgtcttttcc	960
aggtgcgtgt	gcaaaaggca	aaggagggtc	actctttcca	tgcagggccc	tttgtctgaa	1020
ctgtccttga	aaggcagttg	tgaaggggtg	gccagacccc	cctccacggg	actgggggtg	1080
ggtgtcactg	ttccttaaat	ggaacttggt	cccccgtagc	tgaccctggg	cagctcagct	1140
ccttgtgtat	gaggcggtatc	aggaacagta	aggcacaggc	atctgcaaac	atcagcatgt	1200
aaaacacatt	gctccagccg	gacggggaga	ggagcccagc	cagcaggggg	cccagggctg	1260
ctcctacaga	gcccgccccg	tcaatgatgg	ccgtcacggg	ggagagggcg	tgcgcgttgc	1320
ctttcagact	tttatgagtc	cccaggctcg	cggagacggc	ggtggtgatg	agtgtgtagg	1380
gcccaactgac	cagggtctccg	ctgagcagca	gcatgtcgat			1420

<210> 4706
 <211> 1582
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1583)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1230)...(671)
 <223> similar to gi3417296 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4706

tgaggagggtg	aacaggggaa	ttgcttggac	ccggggaggcg	gagggtttcaa	cgaaccaagg	60
ttggggccctt	gccgttcagg	gtggggcaacc	agagttaaac	cctattttcca	aaaaaaaaaa	120
agtattccaa	actccaaaat	caaaaacact	tccagtccca	agcattttcag	ataaggaata	180
ttcaacctgt	atgaatgttc	ctaggggaaaa	aaagacagcc	aaaatataag	accatgtata	240
agaactaact	tcagtagaca	gaaagaaaaa	agtaccaggg	gaagaagaaa	gagaccgcat	300
tttaaaacaa	ctatacaaat	ttgagctgta	agaaacactg	acatttttcta	taagcatgct	360
agagcaaagt	ggagaaattc	ataagacggt	ttctagaaaa	taaaactaat	ataaaaaaac	420
ttatcaagat	ttgtccaagg	aaaaagacga	agaaaagtta	aatataatgg	caagaaaaac	480
ttcctaccaa	ttttatttat	ccaggcatgt	cttaaatatg	gctgtttgtt	acatacagtg	540
attctgcaga	catgttgaca	tgacagtga	atacataaat	atgtaatgag	aaaaggctta	600
actgtggata	aaacaaagtc	attacaatta	aagactcgag	tttttggcat	ttccaattgt	660
agtcaaggga	ctgagggtcaa	atttaactac	aaatttttga	ttgtctacat	tgaacacatg	720
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ggtattcggc	gctgagttcc	atggcggcag	tccagctaga	acggcagccc	agcagggaca	1500
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<210> 4707

<211> 4118

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(3649)

<223> similar to gi3327160 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4707

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atcctattat ttgctatgca atatTTTTatg ctggtattat atctgttttt taaattgttg 4080
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<210> 4708
<211> 2071
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1950)...(1340)
<223> similar to gi3879465 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 4708
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cggtcgggtct cctgctggcc ggggctgctg tcttcagcaa actttaggga aaccggggcg 360
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gagtcctgagc cctcatcagc cgaagccata tgggcacagg gaccagggag gctggcaggt 600
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tggggacagg gccagaattc caccgcaatg c 2071

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<210> 4709
 <211> 469
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (18)...(130)
 <223> similar to gi4186183 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4709
 cagtgtggag gaactctgac tggagcaggt ataacgaggc ccggcctccc aacaacggac 60
 agaagtgcac agagagcccc tcggacgagg actacatcaa gcagttccaa gaggccaggg 120
 aatattaaag agactgggat gaggtggagg acgctgcctc tggttctgga gcacacacgt 180
 gctgcactga cgtgccgact ggccgcgaga ccttcatagc tgcggtcgtg tatatttgta 240
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 gccttgtgaa gccgccctcg ccatctgcag agctccttga aagtgccctt ggggagcgat 360
 gtgggcagaa ggatggggac aacttgaag ccagaagaag aacctggaag ccacagtggg 420
 tgcgactcaa ttcacacccg gatccagagt ttcaaagaga ggcaaaggg 469

<210> 4710
 <211> 1645
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (503)...(984)
 <223> similar to gi4741998 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4710
 ctccccacat catgagttta gtgtcagata ttattttacaa acatttttaa agcaggggtca 60
 gcaggcccgaggaggatgcat gtccagtgagg agtgaggagg ggggtggaggc cactgagggt 120
 gggtcagcgg tccccagggt tctgtggcct cttccagact ggcttggaag aagtgccttt 180
 attttcttgg agttccccca tgcagatgtt aactttaggg gcaaaggaaa gacaaaggct 240
 acatttcatt tctgagtcta tagatgtatc cgctattggg aagagggttag aggtcaatga 300
 ctaggacagt atgtcccatg agaatcgagg gaggattcct gtctgtatgt gagggggaag 360
 tgggtgaagcc tcacagcggt gtcaggcagg tgtgggggtgg tgattggcct tgacagagta 420
 cccaaccacc cttcctcact gccctctcac gccatttctc ctggggggctc cacacagggtg 480
 tatgcccacg caggcgcgac gggtggaggg gaagatgtat atcacctgcg gccgcagagg 540

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ggaggattac ctgaaagaga cactctgcta cgatccaggc agcaacactt ggcacacact 600
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tgtgatcggg ggcagcaaca acgatgccgg atacaggagg gacgtgcacc aggtggcctg 720
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cccctccgc tggtttttca gaccccatgt tgttggtcaa tgaaataaag catcttacag 1620
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<210> 4711
<211> 7196
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(3935)
<223> similar to gi2564326 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 4711
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agctggagtg caagctcaaa agcatcacgg tgtcggcact gcccttcctg cgcgagaacg 180
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tcgtgctgga gatctcaggg aacacagagg atatcccttt ggtgcgctgg aggagcagt 360
ggctggagaa tggcactttg ctttttcaca ttcacacca agatggtgcc ccaagccttc 420
ctggacaaga cccactgaa gaaccccaac atgagtcggc agaagaggag ctgaggatcc 480
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tgatcctgta tactgcggcg cgctgggtgca aacgcgcgg ggtcccgcag cccagaaga 600
gtgccagtg tggagcagcc aatgagattc actacattcc ttctgtgctg atcggcgggc 660
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tataatatga	ccatcttcag	gtataacagt	gttgttttaa	agagaattat	tgtatgatta	7140
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<210> 4712
<211> 2115
<212> DNA
<213> Homo sapiens
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```
<220>  
<221> misc feature
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<222> (2116)...(1111)
 <223> similar to gi5262462 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4712

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caagattttc	aattgggtgac	aatttaaagt	catttattaa	ctaataataa	aataaatcta	180
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<210> 4713
 <211> 1137
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (15)...(411)

<223> similar to gi4107015 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4713

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<210> 4714

<211> 3437

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(2686)

<223> similar to gi4240227 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4714

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<210> 4715
<211> 1373
<212> DNA
<213> Homo sapiens
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<220>
 <221> misc_feature
 <222> (42)...(701)
 <223> similar to gi3875400 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4715

accacattcg	aggactcgtc	cgcgcggtgc	aattcctgct	cacagctgcc	cagctgaaag	60
ccaaggggga	gctgagcttt	gaacaggacc	agctggtggc	tgggggccag	ctgggcgagc	120
tgcacaacgg	gacacagtat	cgtgaggtcc	gccagttctg	ctcgggctct	ggccaccacc	180
ttgtgcgctt	ctacttcctc	actcgtgttt	actccgagta	ccttgaggat	gttctggaag	240
agctgacata	tggacctgcc	ccggacctgg	tgatcatcaa	ctcctgcctc	tgggatctct	300
ccagatatgg	tcgctgctca	atggagagct	accgggagaa	cctggagcgg	gtgtttgtgc	360
gcatggacca	agtattgcc	gactcctgcc	tgctggtgtg	gaacatggcg	atgccctctg	420
gggaacgtat	cactgggggt	ttcctcctgc	cagagctcca	gcccctggca	ggctccctgc	480
ggcgggatgt	ggttgaagg	aacttctaca	gtgctacgct	ggccggggac	cactgctttg	540
atgtcctaga	cctccacttt	cacttccggc	atgcagtaca	gcaccgtcat	cgggatgggtg	600
tccactggga	ccagcatgca	caccgccacc	tctcacacct	gcttctgacc	catgtggctg	660
acgcctgggg	cgtggagctg	cccaagcgtg	gctatcccc	tgaccctggg	attgaggact	720
gggcagagat	gaatcatcca	ttccagggaa	gccataggca	gacccagac	ttcggggagc	780
acctggcctt	gctcccaccc	ccaccttctt	ctttgcctcc	tcccatgcct	tttccctacc	840
cacttcctca	gccctcgcca	cctcccctct	tcccacccct	gccccaggat	accccttttt	900
tcccaggcca	gcccttccca	ccccatgaat	tcttcaacta	taatccagt	gaggacttct	960
cgatgccacc	ccacttagga	tgtggccctg	gagtgaactt	tgtgcctggc	cctctgccac	1020
ctccaatccc	tggccctaata	ccccatggtc	agcactgggg	cccagtggtc	caccggggga	1080
tgccacgcta	tgttctaata	agcccctacc	atgtgcggag	aatggggggg	ccctgcaggc	1140
agcggctcag	acactcagag	agactgatcc	acacatacaa	actggacaga	cggcctcctg	1200
cccattcggg	gacatggcct	gggtagactg	gatcttgggc	tgggactgga	tgtgccaatg	1260
gcccttcagg	gcctgcctgg	cacctcaggt	actgggctag	ggtgtctgct	atgcctggta	1320
ttgttcttgt	ccattgctgt	caccaataaa	ggcatggaag	aacaaaaaaa	aaa	1373

<210> 4716
 <211> 1088
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1091)...(870)
 <223> similar to gi4689112 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4716

aaagtccttt	gataaaacca	cgagaggaga	tactgtatgg	agacatgagg	agatactgtg	60
tggagacgag	gagatactgt	atggagacat	accatgggcc	cttcaaggag	cacctctgta	120
tgggctggca	aatccctttc	actcatctag	aaagaagcag	acacttgtca	tcatgggaat	180
attttattgg	gtataagtgt	tttaggtaat	tgataactga	tttttctact	gtttttaagt	240

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gattacttca aatgtgattt gaagcattgt ttggcctgaa gctttaagac cagtttctta 300
agcttttccc tgagtttcag cagcttacgg tttcagtga taagcagagc gcctggtttt 360
gaattgtctg ttgtttgttt gaaaatctga atgtgtcttt caaaggctgc tgtgatttct 420
ttggataaaa tcagatttcg tatcccttag agagcttcca ctctgcttc acctttccaa 480
aaactagacc taaggtagaa gccacctcga cagctcaaag ccagagttag aacaatcata 540
ctgaatagat acaatagttt atctggtgcg tatttgagaa aaggcatgac aatcaatacg 600
aggcagcgca gctcggagtc acaggcccga ctcggtttga ggctccgcgg accataatta 660
gctatcacat caaacagggt ctgtagcctc tctcggcttt tttcataaaa caggaacaat 720
aacagcccct ccctctgagg aggtgcgtgg aaagcagggt gacgtaggca agtgtgaaat 780
gccgtgcggg gttatctttt agtagaagag tatccttttt gtaaaatgtc ttccttctcc 840
cttccacctt cttaaactca cttttggtct attaatgtca tgaaccatag aggtatctcg 900
gtggccctc attaccatct gctgttcttt cagctgttta gctacatctt tggctgagga 960
accagacact tcaatccatg tcttagagaa gaatgcacat gacccaaca tgaagatgat 1020
ataaacaacg acatggacag gatcctcaaa gatggcgccc atggactcag gaggagaaag 1080
atagtaac 1088

```

```

<210> 4717
<211> 386
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (157)...(228)
<223> similar to gi3142637 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4717
cataaaggat ctataagaga agcaagaaaa acgcactccc actaattctc atatggaaaa 60
atcagggttt tgaagacttc aggagctaca gagatgctag caccacagct ctgcttgaat 120
tttaaattac attaatatgt attccctttt tatatagcta ctcccgagcc cggagaggac 180
ccacgcgtga cccgggccaa gtacttcatt cgagatgagt ttctggtgag tcgagcctgt 240
cttttagttt ctctcttgtt cctcctcttt ttctcatgga tgtaaattta cttaattcca 300
aattcagggg ttcagctacc cagttccatg gtttttagtt acgcacatcc agtgtgggat 360
ttgagctctt tgcgcccctc tttttg 386

```

```

<210> 4718
<211> 1005
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1006)
<223> n = a,t,c or g

```

<220>
 <221> misc_feature
 <222> (922)...(745)
 <223> similar to gi2587061 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4718

tttttttag	cctttgtctc	ttctttat	tc	gcgatataa	ttatgtaccg	cactctaaat	60
tagagataga	tttttttctg	atatacat	ttt	catcttattc	accacgagca	caccacacgc	120
acagtagaac	agttccacac	ctgataaatt	gc	cacaagatg	agagtttaga	ttcctgaaaa	180
ccggcaggca	agctggcccc	gccgcggctt	ctcgccttcc	ggcttcgttg	aaggaaattg		240
cccacccaaa	atggatttcc	cagtcagcct	ttcccgtgc	agggttgaaa	cgtctccgga		300
atgggaagcg	ctcttgctgg	aaatggctgg	acgctgtaga	ttccgagctc	tggatggatg		360
tgaaatattc	cccccaaggtc	aagttgccac	gcctgcgagc	tgcgccccct	ctccctccct		420
tcccaacccc	ctcgatgact	ggaaccaaag	tgtcggggcc	ccacttgga	ggacagagaa		480
ccctgcccgc	aaatgcaccc	cgcctcccc	caaaaccagg	gtgttggtga	aaagaaagga		540
caacagaaac	gcagacgcga	tggatcgtga	atccctgtcc	cctcccatcc	cccccatccc		600
cgaataatca	gaaactagga	accagagatg	tttaaagctt	ggcctcccaa	gcgcggcggc		660
agggcgcaact	gggctgggtg	gggcggggtg	aggggagaag	ggagagagcg	cagaagcgcg		720
gcgggggctc	gcccttgccg	cctagtcctc	cgcgttggtt	cggtaggctt	cgatgaggcc		780
ctcgagggag	tgcacgaagc	cggacacgct	gcagatgccg	ccgatgacga	agatggcgac		840
gtcgaagaag	acttggtgcc	acagcagcaa	gcgccagagc	aggcgaggt	gaaagaggct		900
gggcagcaag	aaacagaggc	cgggtgaatt	ccgccgcnct	gtctaaacgt	gtctagncga		960
nggcttcagg	gnctggctnn	ncnggcctct	ccttnnnnan	gaaac			1005

<210> 4719
 <211> 1729
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (14)...(1023)
 <223> similar to gi1537013 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4719

cccacgcgtc	cgggaagtga	agacaataac	atgtgccttg	aaacagtatt	tgaggagtct	60
tccagagcct	cttatgacct	atgagttaca	tggagatttc	attgttccag	ccaaaagcgg	120
cagcccagaa	tctcgtgtta	atgcgatcca	tttcttggtg	cacaaactgc	cagagaagaa	180
taaagagatg	ttggatattt	tggtgaaaca	cttaacaaat	gtttcaaadc	actccaagca	240
gaacctgatg	actgtggcaa	acttaggagt	ggtgtttgga	ccaactctga	tgaggccaca	300
ggaagaaact	gtcgtgccc	tcatggactt	gaagtttcag	aatattgttg	tggaaatctt	360
aattgaaaac	catgaaaaga	tttttcggac	gccgcccgat	actacattcc	ctgagcccac	420
ctgcctgtca	gcatcacccc	caaatgcgcc	accaaggcag	tcgaagagac	aaggccagag	480
aaccaagagg	cccgtggccg	tctacaatct	ttgtctggag	ctggaagatg	gtgacaatcc	540
ttacccttcc	aaggaggaca	cccctaccag	cagtctggac	tcactttcct	ccccgtctcc	600

tgcatgagc	agtatgggca	catgccctgt	ggacagttac	tggacgttaa	tgaactcaga	1140
ggagaaaagc	agtgagccac	ttgttctgtg	tgatttatgg	tacttcattg	ctcttccttc	1200
acctctagtc	actttctatt	gctacctgcc	ctacattggc	tc		1242

<210> 4721

<211> 902

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (855)...(754)

<223> similar to gi758205 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4721

tttttcaaag	ggtctttttt	tttaataagg	tttttcaaga	agacattagt	gaaaatttaa	60
acatctatat	ggccaagaaa	agttaatttc	ttctacagca	tccataagaa	acactcagta	120
aatggcccat	tatacagctt	taatttcaat	atattttctt	caagttcagt	ttacatacag	180
acactatgaa	cacgattctt	tgaaatacca	ttatacagga	atgttgattt	atttaggttt	240
cttctctggt	acagctcacc	tcacactggg	gtgaaagaga	tttgaactga	gatttgcagc	300
catcaaatta	ctgtaggta	gattgatggg	tggcattgtc	acagaacctc	cgcaatgtgg	360
attttctttc	aagccattac	agttagtgtc	gggattgata	gggtttgggtg	gttcaatggg	420
tacaagtttt	gtatctggag	acataggatg	aacattttca	tttgcattct	gttgaccaag	480
tccaccttca	tactctttct	tttttggttc	tgagatatct	cctcttcctc	ctttgacttt	540
aataactctg	actttgatct	ccttgggctt	tttctctttt	tctatttcct	ttccaaaac	600
tgaactactt	agcagtgtat	tggataaaac	tgtttttctt	tcatctttcc	tgagttcatt	660
ttcttttagaa	ctctcttttg	gctttattaa	tgaattgact	tttgcttcct	gcagtaattt	720
agctttcagt	tctggcatga	atccactttc	aaaacaattt	tatggagtaa	atccaaatca	780
gaactactag	gaagataggg	atttccagtg	gccatctcaa	tgatcataca	gccc aaagcc	840
cagatatcca	caggctctggc	tgaaactcac	atccaggcga	ggcgcctcacg	cctcgtgcc	900
cc						902

<210> 4722

<211> 1100

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (814)...(566)

<223> similar to gi2431772 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters


```

gtcctgcca ggcatgaggc gtcctttgcc ctactcact tgagccttga tgaagggtgga 1020
gaactcctcc ggaggggacct cgccatcctt gttgaggtcc atgtcttcaa acaggttggc 1080
aggaggggtcc ttgtgccaca caaacaggta gcctgtgggc agcccatcct cccgggacac 1140
cagctccacc tcaaacagca gcacagcact gcctgggact cccgggctc cactctcccc 1200
gtggggccagg tgcgggggca cgatgagctg ccgctctct cccacacaca tgccctgcag 1260
gcccggtgcc aggccttcga tcacctgtt ggccccgaga gtcgcctcct gggggggccc 1320
gtagtcatgc gaggtgaaca gctgggtgcc gtccagcaaa gaacagttgt aatggtatcg 1380
aacaaggtcc ccaagcttgg tggctcatt gcaggtctca gatggccggg acagtgtcct 1440
gatttccacc acatccgcag ggttgtgga gtcaatgaca tggacgttga agattagcac 1500
ggcagagcca gggatcttgt ctccagttcc attctcccca taggcgaggt gcggggggat 1560
ggtaattctc cggcgttccc ccatgcaggc accctgcagc ccctggtcca tcccggggat 1620
gatgtaaccc tgcccgatag aggtattgta ggtgtggtg cgggagtagc tggaaatcga 1680
gaggggtgccg tccatcaagg agccattgta gtgtagcgc atgaagtccc cgccccggc 1740
tctgcggaca cagccggggg ggagctccag cgtctctagc tggacagcgt ccttcgggtt 1800
gtgcacgtca atcaggagga cgtgaaagac cagcgaggcc tctgggggga tcaactgtcc 1860
atagcctttc tcaaaatagg ccaggaatgg agggatgata atcttccttc tctctccagg 1920
a 1921

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<210> 4724
<211> 1256
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1008)...(382)
<223> similar to gi3413870 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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```

<400> 4724
tttttttttga aatgaaatga atcatttaat gagaatcttc aaactgtggc actggctgag 60
tactaagcaa atccagggga agacgtgaag cccaccaagg cgcacagcct caactccggt 120
gcctgcccct gatctgaaat acaacatcca agagctcgag gcctttttac caccggtttg 180
tgagacacct gcacctttct gacaacaact ctcaagccaa ctttcagaga gaaaacatga 240
agggaaaaaa tagatttcct ttggccagac agctctttct tcctcaataa ataggaacca 300
cacttggaac aaagagacag cgtgagctcg gtgggggaag cacaagcttt attggctgaa 360
agttcttctc aggagcctgg tctgctggga ctgcatgttc ctggatgggc tccccaggc 420
ctaagctcca ggtttcctct ggccctccga aggattttgt gggttacgac caattgatca 480
aagatgactt tttcctggcg ctgctcagc tgcaaaagct tcatggtgtt ttgcaacttc 540
tttcttgtt caaacaattt tttatgtagt ttggtgacct ctgccttcat ttctccaatc 600
tgctcacagt gaagggggca ctggccatcc tcggggagtg agactctcca gagaagcttc 660
agccgcctgt aggcctcttc cagggtcagc ttggcctgct tcacactgct cacaacttg 720
ctcagtgggtg ctgggtgtgg accctttgtt cccagctctt gacttgtgga gctgggagcc 780
tcttgggttt gaatgtccat ttcagcaagg agcctctgtc cctggctgat ctgtttgagc 840
agggcctcat agtcctcaat caggcccagg acatggcggc cattcttgct ggccacagc 900
tggtggccag tgaccaggcg ggacacacac ggagtgttag ttgccgaact gccactgtcg 960
caggagaggg agtccgtgtc attcccagag agtgaggag tctctgaaac tgtaaaatga 1020
gaagtaggat gtaaaatctg tttcaggtaa cactctgcgt tcaagacgct tatgatgttg 1080
aagctagcta ggagggctag aagaggccct cgtgcccata tgccacccaa cacaagccca 1140
gaggggaaaa gaggcacgct cctggacctc tgtatattac cccacactgg gcttatgagt 1200

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catctttag gagaggctca agtcaactca accaactt atcaaccacc cactcg 1256

<210> 4725
 <211> 2255
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (307)...(1791)
 <223> similar to gi407099 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4725
 cagggactga tcagctgggt atttttctgc aggatatgca ctgataagca acatagcttg 60
 ggcattgtgga atttgtgccca gttccactct cccgtcacca tcacccctg gaaggaggta 120
 aggaaagtcc tcccagagta aatgacattg aatctgagac accaagaaca tgtaggctgt 180
 agctcagcaa gatgagagga ggtgtccaga tgaaaggagt agtatacaca aatgccaga 240
 ttcaggggaa acacaggccc acagatccca cacagcctca tttctaagaa aaatattttg 300
 ttctgaagga cgaaaatgac cttcaaagac cttgggatgg atgacttggg tatttactct 360
 tgcgatgtaa cagacactga tggaatagca tcaagctact taatagatga ggaagaattg 420
 aaacgtttac ttgtctctcag ccatgaacac aagttcccaa ctgtcccagt taaatcagag 480
 ttggcagttg aaattttgga gaaaggccag gtccggtttt ggatgcaggc tgagaaactg 540
 tctggcaatg ccaaagtcaa ctacatatct aacgagaagg aaatttttga aggcccgaaa 600
 tataaaatgc atattgaccg aaacactggc atcatcgaaa tgttcattgga aaagctacag 660
 gatgaggatg agggaacgta cactttccag cttcaagatg gaaaagcaac taaccattct 720
 actgttgttc tcgttggaga tgttttcaaa aagctccaga aagaagctga attccagcgg 780
 caagaatgga tcaggaaaca aggtcctcac tttgttgagt atttgagctg ggaagtgact 840
 ggtgaatgta atgtactatt gaaatgcaag gtggcacaata ttaagaagga gactcatatt 900
 gtgtggtaca aagatgagag ggagatatca gtggatgaaa agcatgactt taaggatggt 960
 atatgtaccc tgcttataac agagttttcc aagaaagatg ctgggattta tgaagttatc 1020
 ctgaaagatg accgaggaaa agataagagc agactgaagc ttgtggatga agcctttaag 1080
 gaactgatga tggaagtatg caaaaaata gctttgtctg ctacagacct gaaaatccag 1140
 agcacagccg agggcatcca actgtactct tttgttaactt actatgtgga ggatttgaaa 1200
 gttaactggt cccacaatgg gtccgccatt aggtactcag acagagttaa gaccggggtc 1260
 actggagagc agatctggct acaaatcaac gagcccaccc cgaatgacaa agggaagtat 1320
 gtcattggagc tctttgatgg caaaactgga catcagaaga cagtggatct ctctggacaa 1380
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 aatcgtgccc ggggtgtggg aggtctccca gacgtggtca ccatccagga ggggaaggcc 1500
 cttaattctca cttgcaacgt gtggggagac ccgcctccgg aggtgtcgtg gttgaagaac 1560
 gagaaggccc tggcctcaga cgaccactgc aacctcaagt tcgaggctgg gaggaccgcg 1620
 tacttcacca tcaacggcgt gagcacgcgt gactcgggca aatacgggct ggttgtgaag 1680
 aacaagtatg gctcggagac cagcgacttc accgtcagcg tgttcattccc agaggaggag 1740
 gcgaggatgg ccgccttggg gtccctgaaa ggccgcaaga aggccaaagt accggagggtg 1800
 cgaggagagc cagccggcct gtgtgacttg ggtgtgaatg gtttgggtta aggatgagac 1860
 gtcttcatgc tttctcctcc ctattatttt ctggcttgag gggaaaataa tgtcagggtct 1920
 ttcactcata taaaaaagca ccaactaatg acactttaat tgtttttctt tatctacaaa 1980
 attatgtgtt aagaaaatac cattcatagc atgaagatta ggaaacagtt ttaaggagaa 2040
 gacttgaatg aagttggagg gacattgaat gatggtcaga gggcagacga atgtgtcgtg 2100
 gggcgaattg ggatttgctg cagctgtgaa gccatggccg tgtctcgtgt gttgttacag 2160

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aggtgatgtg cttttcgacg ggcgcctcgt ggcttgaac ctcctctgta tgaataaaca 2220
gttttcacgt ctgtcctctt ccccgaaaaa aaaaa 2255

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<210> 4726
<211> 1621
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1611)...(1520)
<223> similar to gi9451 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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004440"01100

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<400> 4726
tttttttttt tttgtcacag aacactgttt gcagtagagg aaactggcat tgcagtctgg 60
tggataaatg gcttgtccac ataaaccagt acatgttcat ccttttagcgc aaaaagccct 120
aatggcgcgg tacctatta aaattcagga catctccaat attctctctc tctgtttttc 180
tttgtcatct tttttttttt taaataaaca ttttcaaggt ttgtccaaaa gaaggccata 240
taggttcttg gctagcggaa gacaattcag aacagctgtt gcacacttgg actgtcacct 300
tctccagggt ggcagttgat atcttatttt ttttccaact cattttttatt aaaaaaataa 360
aaaaatgctc caactatcag ctttacaaaa tctctaaggg aaacacaaga gcaagggtgct 420
gaggtaaaaa cacctgaggt agcttattct gtgtgttttt ctcgtaaaaa aaatctgtga 480
atttaacgcc ctgggccaac aaccttggtt aatttctact ttcctccaca tttttttttt 540
ttaaagaaag gaatcatttt gctgaatatt gatggcttat acaccaaaat gcaaaaagac 600
aaaatacatt ctttcattgt ggaatttttt ctttgtttgg ttgattgggt gggttggtgg 660
gttcctgttt tcctcttcca aaacgctagg acaagtacca ttgactcttg ttcttttgag 720
taaccaagtg taagttaggg ctggtttgtg tgtttcgctt ttgttccttt tgtgtgatgt 780
gatactcaga gcaactgctt gcctggggag ggggggggtg gtagatacgg gattgagatg 840
gagggatgag gaaattcaaa agaattgaga tggagaagaa ggggagggga gggaggggag 900
agataaacag agagagacag agaattatat agcagtatgc aaaaaaccag tttaaaacct 960
gtgaagcaaa gagaaatggg tgtatgagct agacaggcat gaggagtga agagtttcct 1020
cttcaaggag acggtatccc ttctgttgac atacacaggt gatccagaac tgccgtgagt 1080
gtccttccga cgagatttcc ctctgggtga attttgtgcg ggtggcctca aagctcctct 1140
ctacaccgtg agacctccca aagaaagact ttattcttta aagtctagaa aagcctgctt 1200
tctctttaaa aagaaaaaaa aattaataat tgattaaata ttggagttag ttgagttatt 1260
tgatatatta tttctaaaa atattaccgc tgcaggcacc ctgtgtaacc cacaggccac 1320
atatcttaac atcttccctt tctaatatgt acacacatgt acagagacga tttgccacag 1380
aaaaaggggt tgcattttgc ttggctttga acacgttcac ctatgttagt tcaactaaaa 1440
gggtagcggt cgtgggagtt caggagagat ccgagtggat ggtgaagtgg attgctgaag 1500
cctgcaagac accctggggg gcgcggaggg ggggctcggt ggttctggca aacctggctg 1560
accttccccg cccctcctcg gcccctgggg tttctcaggg cctcggcaga gtccttgcc 1620
g 1621

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<210> 4727
<211> 3114

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<212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2)...(1712)
 <223> similar to gi4539520 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4727

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acacctccgc	atcccagccc	ataggttggt	tctcagcgca	gtgtctgatt	attttgctgc	180
aatgtttact	aatgatgtgc	ttgaagccaa	acaagaagag	gtcaggatgg	aaggagtaga	240
tccaaatgca	ctaaattcct	tggtgcagta	tgcttacaca	ggagtcctgc	aattgaaaga	300
agataccatt	gaaagtttgc	tggtgcagc	ttgtcttctg	cagctgactc	aggtcattga	360
tgtttgctcc	aattttctca	taaagcagct	ccatccttca	aactgcttag	ggattcgatc	420
atgttgagat	gcccaggct	gtacagaact	tctgaacgtg	gcacacaaat	acactatgga	480
acacttcatt	gaggtaataa	aaaaccaaga	attcctcctg	cttcagcta	atgaaatttc	540
aaaacttctg	tgcatgtatg	acattaatgt	gcctgatgaa	gagaccattt	ttcatgctct	600
aatgcagtg	gtggggcatg	atgtgcagaa	taggcaagga	gaactgggga	tgctgctttc	660
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gtttactggt	gatcttgagt	gtcagaagct	cctgatggaa	gctatgaagt	atcatctttt	780
gcctgagaga	agatccatga	tgcaaagccc	tcggacaaag	cctagaaaat	caactgtggg	840
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tggtcatgat	ggatggagct	atctaaatac	tgtagaaaga	tgggacctg	agggacgaca	1200
gtggaattac	gtagccagta	tgtcaactcc	tagaagcaca	gttggtgttg	ttgcattaaa	1260
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tttcattcgt	gaagccgaaa	cgttttttaa	catgaattac	atatgaatta	ttaagcatat	1920
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acaaaatgct	aaaatattta	atgaaaattg	atggtggcca	cagtgtgcag	gttataaaaag	2040
cattaataca	tttcaaggta	agagccttaa	aagttaaaaa	catttttcagt	ttttttttaa	2100
aaaacgtact	cttattatct	ggaacataga	aatataaaaag	gtaacatcta	aagcttagaa	2160
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gtgctatata	aaaaaaaaaa	aagacttggt	aagttttaaa	ataacaaaaa	tggctagttg	2820
aatagtatatt	tatgtgtaat	tcttccattt	attctgggtt	aattatacaa	ctaagatgaa	2880
atattgaaaa	accctttgtg	aaagtaactt	ttcaagtaaa	tgcacaactt	tagaatttct	2940
acaaataagt	tcttttaaac	agtcttttta	ttgtggattg	tgaaatcaaa	atctggagaa	3000
atgcttataa	aataactac	tagcttttaa	gttttaagaa	agaagaacgt	aagttgtaca	3060
aagatatttg	tactttgaca	aactgaattt	aaataaactt	tatttcctct	caaa	3114

<210> 4728

<211> 1732

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1713)...(608)

<223> similar to gi2088823 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4728

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cctcccgcgg	actctccgct	ggcagtccca	cccagtgagg	gtagaggcgg	tggaggggccc	120
acccaaggcc	ggctcttcca	agcaccacaa	atcctctcct	cgcccaggtc	cctttccccc	180
tttctggcct	tcgtggggac	accttcagag	tccccaagga	aggctgtgct	gatagcctca	240
ctcaaccag	cttttcaaag	ttctgcagga	ggcaaagggc	aagcccagag	attaggggta	300
gagaccaaag	acaagcggtc	gttaccacct	atatccaagg	ggatggggac	gggagggggc	360
tttttgtaaa	aatgcccctg	aggatataga	ccggcaggca	ggcaggctcg	gaacaaaaca	420
ccctgaacca	gccccgaaga	ctgctgctcc	cagactcctt	tctgcttcag	tggtagatga	480
ggccagggca	gagggttttc	atcatgtagc	tatgaaagga	agcccccaac	ccggtcagtc	540
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aaacttcatg	ttggtgggtg	gctggcggcg	gagcagtgac	tccgtctggt	cttggggtag	660
aggctcatca	tagatgggtg	agatgagccc	caagccattt	ctacggggcc	tcttcagttg	720
cccaaattgg	tgtagcttct	ctccatggta	ccccaatcca	cgcttgcatc	tgggggtgtg	780
gccatcacta	tccagggcct	caggcacccc	tgagcacctg	cagcccaggc	cctggccctc	840
agcccagccc	tgcgcgtcca	tcaccttccg	cccaatgccc	ttggtgtggc	gctcaaagg	900
gcccacctgg	cgttcgatca	cagagccatc	ttcctgtcca	tctcggagtc	tctgttccag	960
acgcatttgg	acagagtctc	gggcatacct	gtctccacca	tctctgtcat	agtacacact	1020
catgtccaca	tcccagtcac	cggctgtctg	ttcatcaaaa	tctccttctt	cctcctgcca	1080
gaactgggca	tcagtataaa	acaccaggcc	agagccaccc	ttctcccact	tgagctcaat	1140
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ttcatgccgt	tcccattcct	cacccgggtc	atcgtcctca	tctgagttag	actcttcttc	1260
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gtaggttcc	tggggatatt	cttcaccctc	tgctgtatac	acaagctctt	cctgctccac	1380
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cagctccggc	agttgcttca	ggtcagccag	gggtgaaggct	tcattctctg	ccttccaact	1620
ctgcagttcc	ttccgggtct	tgaagggaaa	ggagcccaga	cctgatgcct	ccgtaggtag	1680
ccgaagtctg	cggatgagac	agcgacccgg	cctcgtgcca	agcttggcgt	aa	1732

<210> 4729
 <211> 864
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (865)...(364)
 <223> similar to gill151254 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4729
 acttgatgcc ctgttatagc cactgaggttc caggacctgg ctagaagcag agacaccagg 60
 acagaaaaga cagtgttctg ctttcatgga gttcacagaa gagtcgagga gagcttcaca 120
 tttttcatcc attcttaaaa ttgagccagt ttagccctag gaggtgggca ggctctgagg 180
 aatcatcaat caagagaaga gaacatcgcc agaaacacca tgctgcagta caaaaattct 240
 ataaaaatac cttttttgag tcattaacat aaaatgaaga aaacagcagc agccaagaag 300
 agagatggtg aaatttaaga gaggaagaca gagaagaaaa atccactgga taccttatgt 360
 gtaattcacc aatctgttgg aacacttctg ccacgtgtga agagttttgg cagaccaaatt 420
 ccacatgcct gaagtgatgc ccaccaacaa agacataaaa attttcaaca tttcaacagc 480
 catggttgaa tcatctgcag aataccgaaa aagtgcccgag ttggagattt cataaaaata 540
 acaggcaatc acacacgttg caggaactgt gtacagtact gagaacaccc caatcttgac 600
 catcagtctt tctaacttgt ctgtctttgt cccatccttt tgaagatttg accgaatttt 660
 gaacaaggcc accaaacctg cagcaatgaa caaagttcca atgaccaaatt aagtaaagag 720
 gggagccacc acgaacccgg tgaggggcatc gagattttgg tttccaacat agcacaagcc 780
 agtcagttca tctgcatcca ccagtctcat aatcaagatg acaatgggtt tccactggcgg 840
 gatggcccg gctgcaatgt gaaa 864

<210> 4730
 <211> 1097
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1098)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1061)...(369)
 <223> similar to gi2576346 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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<400> 4730
ttttaaaaaa aacaaagctt ttgatcattc ccttgtcaac ataattggca gatctactct    60
caaacacact taagagtatt ccacacaaca tgttcggaat tcagatttat tgatttccat    120
cgtattgact ttaaaaatgg tatgaagctt gactgcaagg aagggaactg gtaattttaa    180
gttaaaatta agctaattgg gaaagtacat cacctctggc ttcagtcacc acatcacctc    240
agattgaata tagatttttt atgaacaaag ttccagaact ctgaaatcca gggatgctgc    300
aggcctctcc cggcaatgtc cttcactttg ggtcagtctc ctgggccaga ggtgaaagtg    360
ctttcaaaaa tactgccatt tccccagcac agtgtctttg attgcatcca catattgagt    420
tggaacccag tacacccagt agtaagaggc ttccgtgggg cccaactgaa acgccatcat    480
gtggtagtct tcatgtcctt cgatagggtc actgaccaca ttttttatgg agcccatggg    540
caatttctca gtccgtctct tagtgccaat ccacagctgg tcttggttcta gtttaaaggt    600
gagtctcact tttcctccag atttattgta catgccggac agcgggtaccg ttggcaggcg    660
ctcttgggcc cccttaacag atggcatcac atcttcagggt tttcctttat ccaacacttt    720
cctgtgttgt ttctgcctgc agagaggctc cttcttggtt tcttcggcct ttgcatcctg    780
ctgcgcagca tctttgggtg tgttgactgc taaaacatca ttgatggtgg agccaccccc    840
catgatcttg gccccgtgg tcacttttat ttctctcaat gttttatcct cgggggcgag    900
tcccttatac atgactttct gcatggcagg cgggagacct gtaatcgagt gtatattctg    960
tttcagctcg gagcctgtgc tgtccagggg gaacttctct ctctctctct ctctctctct   1020
ctctctctct ctgtctctca cctcgtgccg aattcctgca ggcggtgtca aatnccccnn   1080
gccggccccg agacatc                                     1097

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```

<210> 4731
<211> 2061
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (161)...(1451)
<223> similar to gi289760 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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```

<400> 4731
ctcggaccca cagagccggc cctgctgct gctcgggcag ctgcaccacc tgcaccgcgt    60
gccctggagc cagctccgcg ggaagctgca gccccgggtc accgaggagc tctggcaggc    120
tgccctgagc acgctcaacc ccaacccac ggacagctgt cccctctacc tgaactacgc    180
caccgtggct gccctgccct gcagggtgag ccggcacaac agccccctcg ccgccactt    240
catcacgcgg ctggtgcgga cctgcctgcc gcccgagcgc catcgtctga ttgtgatggt    300
ctgcgagcag ccggaggctt ttgcttcgc ctgtgccctg gcccgggcct tcccgtgtt    360
caccacccgc tcagggtgct ctcggcgctt ggagaagaag acggtcaccc tggagttttt    420
cctggtggga caagacaacg ggccggtgga ggtgtccaca ttgcagtgtc tagcgaatgc    480
cacagacggc gtgcggctag cagcccgcat cgtggacaca ccctgcaatg agatgaacac    540
cgacaccttc ctcgaggaga ttaacaaagt tggaaaggag ctggggatca tccaacccat    600
catccgggat gaggaactga agacgagagg atttgaggga atctatgggg ttggcaaagc    660
cgccctgcat cccccagccc tggccgtcct cagccacacc ccagatggag ccacgcagac    720
catgccttgg gtgggcaaag gcatcgtcta tgacactgga ggcctcagca tcaaagggaa    780
gactaccatg ccggggatga agcgagactg cgggggtgct gcggccgtcc tgggggcctt    840
cagagccgca atcaagcagg gtttcaaaga caacctccac gctgtgttct gcttggtctga    900

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gaactcgggtg	gggccaatg	cgacaaggcc	agatgacatc	cacctgctgt	actcagggaa	960
gacggtggaa	atcaacaaca	cggatgccga	gggcaggctg	gtgctggcag	atggcgtgtc	1020
ctatgcttgc	aaggacctgg	gggccgacat	catcctggac	atggccaccc	tgaccggggc	1080
tcagggcatt	gccacagga	agtaccacgc	cgcggtgctc	accaacagcg	ctgagtggga	1140
ggccgcctgt	gtgaaggcgg	gcaggaagtg	tggggacctg	gtgcacccgc	tggctctactg	1200
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ggaccgagac	aacagcccca	gctcctgtgc	tggcctcttc	atcgccctcac	acatcggcctt	1320
cgactggccc	ggagtctggg	tccacctgga	cattgctgca	ccggtgcatg	ctggtgagcg	1380
agccacaggc	ttcgggtgtg	ccctcctgct	ggcgctcttc	ggccgtgcct	ctgaggaccc	1440
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gagggactcc	aagagacgca	ggcttgtgtg	agcctcctgc	ctcggccctg	acaaacgggg	1560
atctttttacc	tcactttgca	ctgattaatt	ttaagcaatt	gaaagattgc	ccttcatatg	1620
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tgtttgttac	ttacaggact	gagacatctt	ctgtaaaactg	ctacccctgg	ggccttctgc	1800
acccccggggt	gaggcctcct	gcctgcctgg	tgccctgtcc	cagccccagg	tcctgtgcag	1860
ggcacctgcg	tggctgacag	ccaggctctt	actccagccg	gggctgccag	cgcatccagc	1920
cagcccagcc	ctgtgaaaaga	tggagctgac	ttgctgcagg	ggacctgatt	tatagggcaa	1980
gagaagtcac	actccggcct	ctcagaattc	acttgagggt	caattaaata	cagtcacacc	2040
gccccctcaa	aaaaaaaaaa	a				2061

<210> 4732

<211> 2247

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (3)...(378)

<223> similar to gi4753706 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4732

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atgttgctac	cttaatcatc	atgggcctag	ccttgtgtgc	aattccattt	gccaaaagct	120
atgtcacatt	ggcgttgctt	tctgggatcc	tagggtttct	tactggtaat	tgggtccatct	180
ttccatatgt	gaccacgaag	actgtgggaa	ttgaaaaatt	agcccatgcc	tatgggatat	240
taatgttctt	tgctggactt	ggaaatagcc	taggaccacc	catcgttggt	tggttttatg	300
actggaccca	gacctatgat	attgcatttt	atttttagtg	cttctgcgtc	ctgctgggag	360
gtttttattct	gctgctggca	gccttgccct	cttgggatac	atgcaacaag	caactcccca	420
agccagctcc	aacaactttc	ttgtacaaag	ttgcctctaa	tgtttagaag	aatattggaa	480
gacactattt	ttgctatttt	ataccatata	gcaacgatat	tttaacagat	tctcaagcaa	540
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aattattttt	ttttatata	cctatttttt	atgtagtgta	tgcgtagcct	ctatctcgta	660
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attttaaaag	tgatgcaagc	atcatgataa	gatatgtgtg	aagcccaacta	ggaaataaat	900
cattctcttc	tctatgtttg	acttgctagt	aaacagaaga	cttcaagcca	gccaggaaat	960
taaagtggcg	actaaaacag	ccttaagaat	tgcagtggag	caaattgggtc	attttttaaa	1020


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aaaatatatt ttaacctaca gtcaccagtt ttcattattc tatttacctc actgaagtac 1080
tcgcatgttg tttggtaccc actgagcaac tgtttcagtt cctaaggat ttgctgagat 1140
gtgggtgaac tccaaatgga gaagtagtca ctgtagactt tcttcatggt tgaccactcc 1200
aaccttgctc acttttgctt ctgggccatc cactcagctg atgtttcctg ggaagagcta 1260
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aacatccatt tgctttgggc acagtgggga tgggctgcaa gttcttgcat atcctcccag 1380
tgaagcattt atttgctact atcagatttt accactatca aatataattc aagggcagaa 1440
ttaaacgtga gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt catgctctaa gtctgcatgg 1500
gatatgggaa tggaaaaggg caataagaaa ttaataccct tatgcagggt catttaacct 1560
taagaaaaat gtccttgga taaactccaa tgtttaatac attgattttt tttctaaaga 1620
aatgggtttt aaactttggt atgcatcaga attccctata gatctttttg aaaatatagg 1680
tacctgggta tcacacatag aacttttaac tctgctggtg taggctggtg cccaaacatc 1740
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taagattggc aatggaaaaa catttattct tttaaataat aattttttta aaaccaaga 1860
ggtcagggga ttttataaac caatagccaa gtgttcttta aataggaggc acccttccca 1920
ttgtgccaaa atcatctttt catttatttt gaaatttgta tgattatttt atacttgat 1980
gttgcccttc ttcgaaggcg cctgaagcac tttataaaca caaatcctca caatacctct 2040
gtgaggtagg taaatagtac ttttctatgt agtaaacctg gaatatggag aatttcataa 2100
cagttcattc tacttaataa tgcaataatg gagctccaag ttgtcttgga cttctacacc 2160
acactcagac ttctggaaag ttttctgtac ctcatctttt agtccctgtc aaggttagta 2220
aataaaataa gtgacataaa aaaaaaa 2247

```

<210> 4733

<211> 2365

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (40)...(992)

<223> similar to gi3328106 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4733

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gcggggtctg aagcccattt gaaggtcagg aggcccagat tgctggcggt gatcaaactg 60
ctgaacgaga aggagcagga gctgcgggag actgagcact tgctgcacga tgagaatgaa 120
gatttaagga aacttgcaga gaatgaaatc actttgtgtc aaaaagaaat aactcagctg 180
aagcatcaga ttatcttact tttggttccc tcagaagaaa cagatgaaaa tgatttgatc 240
ctggaagtaa ctgcaggagt tggaggtcag gaggcaatgt tgtttacatc agagatattt 300
gatatgtatc agcaatatgc tgcatttaaa agatggcatt ttgaaaccct ggaatatttt 360
ccaagtgaac taggtggcct tagacatgca tctgccagca ttgggggttc agaagcctat 420
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<210> 4734

<211> 2547

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2461)...(1660)

<223> similar to gi3334982 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

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<210> 4735
<211> 1034
<212> DNA
<213> Homo sapiens
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<220>
<221> misc_feature
<222> (309)...(461)
<223> similar to gi4455015 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
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<210> 4737
<211> 1364
<212> DNA
<213> Homo sapiens

<220>
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<222> (3)...(1367)
<223> similar to gi2996640 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<210> 4738

<212> DNA

 $\langle 220 \rangle$ $\langle 222 \rangle \quad (1) \dots (1557)$

$\langle 220 \rangle$

 $\langle 222 \rangle \quad (1) \dots (1041)$

Run with FASTXY 3.3t00, default parameters

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ttccagcgag	ctgttaaaga	tgaatttgtgt	cgtcagaata	atttatatgt	tcagccgtat	900
gcctgttatg	aacttggtctg	tcttctatta	gacaaaccag	agactgtagg	aagaggcaga	960
gctctacttc	ttcaagcaaa	ggaggatttc	tctggctacg	actttgaaaa	cagattgcat	1020
gtccgcatcc	atgtgtctct	ggcctctctg	aggggaattgg	ttcctcagtg	acagaccccg	1080
aacacccgct	tccgtccctc	cccacccaag	gggccgccac	tttaaaaaata	aacgccagag	1140
gacaaaaagc	tctttgtgaa	agatggggct	ttttcattct	ggaaaaccca	ccttgntgcc	1200
caggggacac	attttccccc	agttaagctg	acataatttaa	agatctcctc	ttttaaacat	1260
gtagctgaaa	agtaataatg	atgttgagga	ggatgatgat	ggtaataata	actaaccacc	1320
tggggagagg	gttaagtga	cttgctcaaa	cgtttttagtt	ttgtgattta	ttatttttaa	1380
aataaaatca	aacggaacat	ccaacccaag	atcctgtagg	aacacctacc	ttaagcacat	1440
atctgaatgg	gtaacatgat	gagggtacctg	taaaattatt	aacaatatca	tgacatagca	1500
tttatatttg	tgttttgaaa	aaataaaaagt	gcttttctagt	gttttacttt	atcctc	1556

<210> 4739

<211> 2150

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1188)

<223> similar to gi5689766 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4739

agaggcgccg	tcttcccggg	tcccagagcac	tctgtgccgg	aggaatcagt	gacattcgaa	60
gacgttgccg	tggttttcac	agatgaagag	tggagtcgtc	tgggtcccat	acagagggac	120
ctctacaagg	aggtgatgct	ggagaactat	aacagcattg	tgtcattggg	ccttccagtt	180
cctcaacctg	atgtgatttt	ccaattgaag	agaggggaca	agccgtggat	ggtagatctt	240
catgggtctg	aggagagaga	atggccagag	agtgtctctc	tagactggga	aactaagcct	300
gagattcacg	atgcttcaga	caaaaaatca	gaaggatcat	tgagggaatg	ccttggaagg	360
caaagtcctc	tgtgtcctaa	atgtgaagtt	catacaccca	atggcaggat	gggaacagaa	420
aagcaaagcc	cttcagggga	gactcgtaag	aaatccctct	cccggggaca	aggcttgccg	480
cgacggtcag	ccctgtccag	ggaaattctc	actaaagaga	gacaccagga	atgcagtgac	540
tgtgggaaga	ccttttttga	ccactcatcc	ctcacccgcc	atcagaggac	tcacactggg	600
gagaagccct	acgactgccg	cgagtgtggg	aaagccttca	gccacaggag	cagcctcagc	660
agacatctga	tgtcacacac	tggggagagc	ccctacgagt	gcagtgtgtg	ctcaaaagcc	720
ttccttgacc	gttcgtccct	aactgtccat	cagcgaattc	acactggaga	gaaacccttt	780
cagtgcacag	agtgtggaaa	agcctttttt	gaccgttcat	cccttactcg	acaccagaga	840
attcacactg	gagaaagtcc	ttatgaatgt	catcagtggtg	ggaaagcctt	tagccagaaa	900
agtattctta	ctcgccatca	gctaattccac	actggcagga	agccttatga	gtgtaacgag	960
tgcgggaaag	ctttctatgg	tgtctcgtct	ctgaatagac	atcagaaaagc	tcatgctggg	1020
gaccctcgct	atcagtgtaa	cgagtgtggc	aaagccttct	ttgaccgctc	atcccttaca	1080
cagcatcaga	agatccacac	tggagacaag	ccatatgaat	gcagcgaatg	cgggaaagcc	1140
tttagccagc	ggtgccggct	cacgcggcat	cagcgtgtcc	acacgggaga	gaagcccttt	1200
gaatgcactg	tgtgtgggaa	agttttcagt	tcaaaatctt	ctgttattca	acatcaacgg	1260
cgttacgcca	aacaggggaat	agactgagtt	gggcaaaagc	ttgggtagga	caagaacttc	1320
catacaaatt	tgagatagat	ctcgccgtgtc	ttaaagctgc	catttgctca	ttctaccac	1380

tctggctgcc	gttgctcctgt	cctgcttctg	cgccagagt	tttaataagc	actcccttcc	1440
tgctgtgtta	cagaactgta	ggggaggcca	tggaatgac	tctaaagata	caaaattttg	1500
aagagggttg	tcagacaata	ggatagatgt	taggaggaga	cacacctctt	gtctgagaac	1560
ctaggcccca	ggtatcactg	cactttaaga	aactggaggc	tgcaacagga	gggaaaggca	1620
gaatgatatc	acagcagtac	tatttttttt	tttcaaaaca	tttgttttga	tggtctgttag	1680
ttcccctctc	ttggagcatt	ttggggcact	aatcttggtc	tcttggtgcc	cagcttttag	1740
acctcttact	tccactgcta	gtagctagca	cttactgagc	acctgcaatg	aggtaaagac	1800
tcagctaagg	gttttacagg	aagtagatta	attgatcctg	tcaccaacca	tatgaagtag	1860
gcactgttac	catctgcatc	tccagatgag	caccctgagg	tttagagaga	ttaaatcact	1920
tgcccaagg	tgaaccagct	ggtaaaagg	gatgccagg	cttgaagaca	ggtccacctt	1980
caaaatctat	tctctttacc	attatgctcg	atggtttggt	tgttttataa	tttatgtata	2040
tgtattatcc	tctcaactag	attgtaagca	cttggagggtg	tgacttacag	gtctttgtat	2100
ctcacacagt	gccttgctaa	taggtgctca	ataaatattt	atatgagtga		2150

<210> 4740
 <211> 1011
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1012)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1011)...(308)
 <223> similar to gi517115 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4740	
tttttttttt	ttatgttaat
ggtaaggaat	atgatgtagg
aaccggccag	taaaccctct
gaaaaacat	ggcttcaggc
caacaacaac	aacaacaacg
ggtcagccaa	atcctctgtt
attgtagaat	atttagggag
ctttcattcc	aactttcagg
tgtagtctgt	cagttcctgt
ttgtggaaag	ccttccaaaa
taacgtgcat	tcttttcaaa
ttcagttctt	cggggtggaa
ctccgaaatt	cttcataaac
gaaacatagt	ctctcttggt
tttgtgtcgt	ttctgtccca
tcaccttcat	catccagaag
ntttcgccac	ggttatctat
ttttcggtta	ttttattttt
tccaagggag	agaatacagt
tctttcctgc	ttatcactag
ctaaaacaaa	acaaagtaga
ctggtgggac	aaggcaagct
gcttcttgaa	gcgcttcttc
ctgaaacatg	tcagtgtctt
gttattttca	tattatttaa
aggaattttt	tcttttcttc
aactggttata	tcttggttca
tcataatctg	tatttccaac
atgtcttctg	cgcacatttt
aaatgtaatt	gatatactta
acagttatgc	tacttccatt
caatggatgt	aaaatacttc
actcaggaat	gagttcttga
ctggccatcc	t

<210> 4741
 <211> 2255
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2258)...(1503)
 <223> similar to gi5441944 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4741
 taagtccact gaataaaaaac tatgaaattg cactctgtgt caaccatcca ctaggataga 60
 ataccgaaat ctgtgcatgc aaaaatagga gatgggcca tttgcacaca attcgtagtt 120
 atgcagtctg ctatataaat atgttcacat gcactgtgtg tatgaaaata gatggtctgt 180
 gttcagacaa aagtaaaaca tttttttcaa attgttatat ttaaaggttt tctgggagaa 240
 atttatgaaa cgcaggctgt gtctatttga catcagaaat ttccacttta aaccaaata 300
 ataagaaact ttaatctgta tatttacaac ctttgttgag tacacttccc cttattttat 360
 acgtctgcat ttccttccga gcttcacatc tttctaaaat gcagcttggg tttaaaataa 420
 aagaacattc attttgtgat tctaaacaag cttcagtaaa taccaccagt atagtactgg 480
 tgaatttctc agcataaaat cgacatacct aaaaagttaa taaaattcag ctcttttcca 540
 atttcattgt tatgcctatt gaagtattaa ttgccagggt tgatttttag tgaagcttgg 600
 agtccatact ttgagcagac caagtgaagg gaagaacaga aagaaactca ggagtagagt 660
 aatatcactt ctcacttaca ccactttcag gcacatccaa agagttccta gatacttgga 720
 aaatgtctga aaatttttaa gtaaaatact aaacttttca ttttggattt caactttttg 780
 ttcatttgga agtttctctc catccgagga cttaagccag ttttggattt gtaagccctg 840
 agtacaatac acttctctgga ggcatcctca ctgctgttga agcaaaggat atgcatgggg 900
 tggaggacg gcttcgaacc tgggactcat atgccttgag aacaaataga ttgttacagc 960
 cttgggctgc tgcgtaatca cagttcctcg aggtcttcc tgagcacatg cccaagcatc 1020
 tgcctctgga gagactgact ccaaatgcag gtgcttccat tggagctagg tccgaggctg 1080
 ctttatatga cgaactccag aaatggatgc cagaatacgg aggccaaacg ttctgagtcc 1140
 tggactgaac agcacctact tgtggtctgg acagcttaac ccagagttcc tggagaata 1200
 aatgctgtta gcatctggtt aatttactgg cagacagaag cctacttaca gtggctttca 1260
 actttttgac cacatcttta ctgtggaatc tcatcaaaga cttggaagca ggggtggtga 1320
 gaggggcctg gggcggtggtg tggagggtcg agttctttgt cgtcccacag tcacccccag 1380
 gaccaccttg cgaagccgaa aatacacatc tgcattttac cgacaaggaa cgccactcag 1440
 aaagctgcag acatttgcct gaggtcacgc ttacagtggg cagatgaact ggatgtaa 1500
 acaggagcgg cagagaggac aggcattgaa aggaggcctg tctcccacgg agaactcctc 1560
 tagtgccagc agacacgcat ggtggaacac atgtgagcag gacaggaggg ccatctctct 1620
 ggaacgcctg cctgcaccca cgcgtgacc gccagcagcg gagagagggg ccaggcagat 1680
 ggagcactcg tgggtctccc ggcgcagagc ctgcacttgg attttctccc attcctcttc 1740
 tgtgatctca tggccacatt tttcttccaa ctgctgaaga acacttcgat ttatggccaa 1800
 gcaactgatc atttctgcaa agagctcttc aatgttggtg ttgtatgagc acaggatgcg 1860
 gtggctgatt tctgtgaact ttttttcaaa gaattttttt cttaacttgg catctgtggg 1920
 aggtactgtt ttcctcaggt ttctgtacca ctttctaaca acacatcctc tccagtaggc 1980
 ttggattctg gtcacacact tgattctgaa caggcgggcc ccatcgtgta tcaactcggt 2040
 ttgatactgg ttctttctac agagaggaca ggttttctta tttgtgaact tttcaaaagc 2100
 ctgaagacat gctttgtgga acacatggga gcatgaaagc agcacctgag gacgaagctc 2160
 gaattcttct ttacagatgg ggcattggtg cacggagtcc ccttgcagga gagagcgtg 2220
 tttcaccttc tccattcat ctgatgacag tggag 2255

<210> 4742
 <211> 931
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (3)...(193)
 <223> similar to gi3878503 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4742
 tctcctgggg cgggggcagg catggacagc tgggccatgg gaccctggag gcagagctgg 60
 agccacgggt gttggaggcg ttgcagggcc tagtcatggc tgaggtggcc gcggggggct 120
 ggcatctctgt gtgtgtgagt gagactgggg atatttatat ctggggctgg aatgaatcag 180
 ggcagctggc cctgccacc aggaacctgg cagaggatgg agagactgtc gcaagggaag 240
 ccacagaact gaatgaagat ggttctcagg tgaagagaac ggggtggggct gaggatggag 300
 cccctgcccc ctcatagct gtccagccct tcccggcatt actggatctc cccatggggct 360
 cagatgcagt caaggccagc tgtggatccc ggacacagc tgtggtgaca cgtgagtggg 420
 gctgggaggc actccgctcc actcgagctg gtgcctacgg aaggggggtgt ggtcgacgga 480
 aaaacttctg tcttaaggct tctgtggctc atacagagca gctaccttgc tcagtggata 540
 agccccaacc cccgtgttgt ttcacagtag ttccccagcc tgtcaggccc agaagtttct 600
 tccttctggg gggaggctga tgctttctgt cctccctgca cggccacaga cacattccct 660
 gccgcgcgcc gcctctgaca gcagggactg tccagtctgg catggaagac tgcggcgctc 720
 ggtagcatgg cacacaggaa gatccgccac tttttccctc gggatcctct gccatgccac 780
 gtgtgatcag ccagttgtta agagaatatg ttgttccatg ccaggcagat ctcatgagga 840
 ttgtaatatg ctagctgtgg gctatgccaa gctgggctgg acagatgcct tgccaaagaa 900
 ccgtagtgac aactatcgat tgtccttttg g 931

<210> 4743
 <211> 997
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(998)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (773)...(184)
 <223> similar to gi4929823 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 4743
ttttgtgaga cgaccacttt attaaatcac caggggttca aaacatttga aaagaaaact    60
atgactggga aattactggg gtgtgtccga caccggggct ttgggtgggt taagggtttg    120
ctttgaagct caccgagaac ttcaacatgg gcttttcccg gggcctcagg aggcaaatgg    180
agctggggaa accccggagc cgaaggcggg tctactcccc gtcggggacg atggtgagcc    240
tggcgtgagt gatgacatct tggagctcta gggtcaggct atcgaacaga tgactttggt    300
tgggagacaa cttggtcact ggaagcagt gtttccactt gtgggccggg agaatccact    360
tttgctgat cacggcttct tcctgagttg tcaggatgca cccatccact ttacagctgt    420
caggagcatt gccttcaaaa tattttgtgt caatttcaat tcgagttatt actccaggat    480
gtgccaatcg gaaaactgcc cattcacaac ccggaacca gagaatgcca ttctcatcat    540
tttctaatat tgggtggccg tccagccttc ttgcagtttc ccaaccatcc gccatagact    600
ttgccccgcc aactcctatt atattgtttg ggtgcccaaa cttagcatta ctaaatccta    660
cacagacacc cccaaaagcg atggccacta ggtctgcagg ttctttgggg tcagttgcag    720
tccagtcttt ttgtccagta ccgaatacta taagtcgtgc aattccacca tctgtgttgt    780
tcaattctgt accactcttg tatcgtctct acctagaaga ggtctgggca catagtaggc    840
attgaagttt ttttcattaa atgaacaact ccaaggtcaa acagcattcg ggaaattcac    900
catacagata atgtttcgtg ctagaaataa gcacgcgtga ctcccacaca gacgaattcc    960
acggcatatg cgcngctaac tgggtnannn acccgcc                                997

```

```

<210> 4744
<211> 1986
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1249)...(982)
<223> similar to gil770742 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4744
gggattccaa ctcgggactc cccgcttctg gggagaccgg tgaggcccc ggcacatggc    60
ctcccatcc ccaagcctct cgtgcagatc tccgctctgt gggacttgat tgcgggctgc    120
gggcccgtgg ctctgcagg cagagagagg acgggagagg agacggctac gaggcttggc    180
cgcaggtagc tacggtgctc cccaacaag gaaccggaaa ccctcttcgt ttgttgatct    240
aaatatacaa aaataaaact agttgctggg ttctcagacg gagtctctgc ggcattagga    300
ggcccaccct tattttctct tttcttcacg caggaatcag gtccctgggc ctggggggcg    360
gcaaaaggag atggcgggtg gtcaagtggg cgcgcaggct cagacctggg gcttctgagc    420
ccacgcccag gcattctcga cctctcactt ctgaggccac ctctgcctt ttagaatgaa    480
gggctggcac agttctgcca ggatgcacgt tttagcactt ctgtcagact gaagcatccc    540
ctcgcgcaa ggcgctgaag tgtgagaggc actgttctaa gtgctttaat ttgcacttgt    600
ttaatcctca caggagtcaa cttgaatggg cacacttatt ccacttttac agaagaggaa    660
actggggcac agaaagactg agtaattgct cagggggcat gctccaagaa agagggagag    720
acaggatttg gaccagaca ggctggctcc ctagtgtctt ggactttggt gtggatgatc    780
caactcaagc cttctccttt ttccctccta tgtgatcttg catgcgtttg tgcagagaat    840
gagaaggcag atcaaagtta cagatgctgc gagaacatcg ccaagcagaa tcttgggtgc    900
tgtccccacc tctctgtacc tgctccctcc cagagaagcc agcctccact tgctgtcccg    960
ggccttctct atctgagaaa agttgaagga gcacatgtcc ttgcgcagga agaggctgtt    1020

```

cagcgtgacc	gccccgatca	agaagaagag	ctgcttcacc	gcctgcctca	caagctcggg	1080
gtccaggccg	ttctggcaca	tgggtggtgta	aaagtagctc	agctgttgca	ggacggaggt	1140
catggtgtag	ccgtccgtgt	cgtctatgct	agaggagcgc	ttccggaagc	ctgtgggctt	1200
caggccggaa	atgccctgca	ggctctcata	ctccagcatt	cccggaactg	cggagagaca	1260
gggaggctgt	gctgacacgc	caggagacac	acgcggaacg	ttcccgaacg	tcttcggttt	1320
gtttcaggag	atgggacatt	tttctacaag	agtcagtgga	tgtacttatg	atagagaaag	1380
caaaagaatc	aagggttttg	gacaccaggg	tgtgtgtcag	ggttagggat	ggacggctgt	1440
ttccagcggg	gctgcagctc	ctcttgtagg	tttgaagcag	cacgtttttc	agcttcacag	1500
gaaagaaagc	tgcttagcat	gacaaatcat	ggcctgggca	ttaaagccta	aagtatttaa	1560
atttcaggaa	attaaggaaa	gtatacaaga	attcgaatgg	ggcttttagga	tttcaaaaat	1620
acttggtac	gccaagaagt	agaagtacca	cataaatagc	agtagtagaa	gtttcccaa	1680
gttttttcct	tcaggataaa	tcattccttat	ataaagaaaa	ctaccaacag	cgtactatta	1740
tttatggaat	cattataagc	aagcaagaa	ttaaaaggca	gatatctaca	tgattatatt	1800
tccttggtct	tttaaacaat	gttacacata	atcacacatt	acacatacca	agtttatgtt	1860
ttaaaaagtc	ttaatgttac	tataaatatt	ttttggtcat	ccattctctt	cttacctatt	1920
atcggttgga	tattcttttc	cattaggata	ataaaaagat	gatataattcg	tatagccaca	1980
tgtatt						1986

<210> 4745
 <211> 3870
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (3871)...(3673)
 <223> similar to gil90261 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4745	
gacattagtc	cgtgtggtgg aattcgccta gtgtggggct gaggggtgcgg gtcgctatgg 60
cggtggacat	cacgctgcta ttccggggcca gcgtcaagac cgtgaagacg cggaacaagg 120
cgctgggagt	ggcgggtgggc ggcgggggtcg atggcagccg ggacgagctg ttccgccgga 180
gcccccggcc	caagggcgac ttctccagcc gggcccgcga agtgatttct cacattggca 240
aactgagaga	ttttcttctg gaacacagga aagattatat taatgcttat agccatacca 300
tgtctgaata	tgggaggatg acagacacag aacgagacca gatagaccag gatgcccaga 360
tattcatgag	gacctgttca gaagcaattc agcaactacg aacagaagct cacaaggaga 420
tacattccca	gcaagtgaag gagcacagga ccgctgtttt ggatttcatt gaagattact 480
tgaaaagagt	atgtaaactt tactcagaac agagagccat ccgagttaaa agagtgggtg 540
ataagaaaag	attatctaag ctggaaccag aaccaaatac aaagacaaga gaatccacat 600
cttctgagaa	agtttcacag agtccttcaa aagactctga agaaaaccct gccactgaag 660
aacgtccaga	aaaaattttg gctgaaacac aacctgaatt gggaacgtgg ggagatggca 720
aaggcgaaga	tgagttatcc ccagaagaaa tacaatgtt tgaacaggaa aatcagcgac 780
taattggtga	aatgaacagc ttgtttgatg aagtgaggca aatcgaaggg agagtgggtg 840
agatttccag	actccaagag atattcacgg aaaagggttt gcaacaggaa gctgagattg 900
acagcattca	ccagttagtt gtgggggcaa ctgaaaatat caaggaaggc aacgaagaca 960
taagagaggg	cattaaaaac aacgctggct tccgcgtgtg gatcctcttc ttctcgtga 1020
tgtgtcctt	ctccttgctc ttctctgact ggtacgacag ctagccaggg ccacgggggc 1080
ccagcacgag	agtcctcatg ggcactcaca gactgcgtgc tttcatgtac ttccagtgtc 1140
ggagcatggt	atgaccagat tttatcacag tgccatttga agggaaagga gttcagacag 1200

acagacgtat	tccccaaaaa	gggatacccc	aggccgatgg	tgttcagcca	tttagcagct	1260
gaaaaaggaa	acagtgcaca	ccaatgggag	gcagcctgcg	tagccctcat	caggcaagac	1320
agactgaatg	caggagtggg	tgattagctg	ctccttgaac	ttgaggctgc	cttggcagca	1380
ggggcacagc	aggcctcaag	agcccctaata	tgtctcaggg	ttcaaaggaa	gacactgacc	1440
tttcccatcc	cggtagcttc	agggaagatc	atagttaata	acgtctctca	acaaatgatt	1500
acttctttgt	ttccttgtgg	cttcttgtct	gtctgagtca	acgaatacac	agacttactg	1560
gattatagaa	gagaaaattc	acatctgcct	tgttaatcta	ataaatataa	ttacagcccc	1620
ttaatgtgtt	gtcaatgagt	ctaagttgac	aaattcagtg	gcagcccagc	cacctcctat	1680
caatcaatca	gggaagaaat	gcaggggaga	ctggggccct	cagtgagggg	ctgcctggca	1740
ttactcctcc	aaagactgct	gccccagag	caggcagggg	gtgtgggagg	gccagtttcc	1800
cgccactggg	tccaaggagc	ctttgttcaa	aggaagaagt	gggccacgga	agaacggggc	1860
tgcttctctc	gtgcctgtgc	ttctgacctc	caggaactgt	aaacagggaac	acctatgtgt	1920
aactgaaggc	atgagacatc	tgtacaggaa	gcatcccagc	gccacatgg	gcatgagaca	1980
gtctgcaactg	cgcttgggtga	aatgcgtgtg	tgtacagaca	gtccactggg	cagcacagggt	2040
atcctcatgt	tctttattttg	cacagagtga	aatgtcagaa	gttacctgta	aatgaattca	2100
cagtcaataa	agtccacgtc	tacctggaaa	taccaggctc	ggcctctgca	ctgtgcgcac	2160
acgggcttca	cttgtgtcta	tttcagatgc	gcagggaagc	tttcggcact	gattttattgc	2220
tcttgagtca	ttttccca	gcttaacacc	acccttctca	ggcacacggc	ctgctgatgc	2280
acaccgctgc	gccaagggtca	cggttctgtg	tctccagaca	cccttgatga	gaaaatacat	2340
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tggtcacaa	acatctcaca	ctatttgtcg	tttatttctg	atctaaaaaa	ctgaaacttt	2460
tgacacgtac	accagaaaca	acacattcaa	taacatagaa	gaaatgtctg	cgaatgtctt	2520
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ttctcttccc	aggccctttt	cccttcacat	ggtttgccag	ttttacacac	atgggggcaa	3000
acccagctg	tctccaccca	gatggggtgt	gccccctcct	ccttaccaag	atgccagagt	3060
cagaggggag	ggagttagtca	atccacaccg	agcctgccac	attgcagggc	cgtccacccg	3120
actcaggagt	cagcacagga	gggtgggggg	tcttttctctc	gtctctatgc	cacttactta	3180
ctacagtgca	ccttggcagc	agtcagcact	gttaccgcgt	gatggccgag	gaagaaatgc	3240
gaagttaggt	tgtctttagc	acagcgagag	atcactctag	atatggctat	ggaggaaggt	3300
ttgcagacag	cagggtcggt	tcagaaaatc	aattccacaa	aatgcattta	tctgagatcc	3360
aaacccttcg	catatccagt	gtaaaatttat	ttttttacag	catccaataa	atcccagtaa	3420
aggagctaaa	tgaagatctt	aacatgaaaa	gtggtgtcag	agctcttttag	gcaatgctga	3480
aatgcacttg	attttatgcc	cgtgggtggt	cggcagcaag	ttttatttgc	aaagcagcat	3540
tagcaaacag	aagcaattgc	accgtaaatg	agtaacctct	aaagtatcag	taattatatt	3600
taatgaaatg	tccctcaaag	tccctttggt	atttgcaagt	gacacattgt	aaggaaacttg	3660
cccatcccg	taagctgact	tctcagccgc	ttcagtcctcc	tgctcggaca	gcttctcttc	3720
tgacagaact	gacatccagg	gcgatacggg	gcgcgtgatg	ctctgcttgg	ccaggttgta	3780
gtggtttatg	actgtgtaaa	atctctcccg	ggcactggag	tcttgctccg	cgtagtagct	3840
ctccaagcct	tctgggatgc	actgggtggt				3870

<210> 4746
 <211> 1635
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1553)...(596)
 <223> similar to gi746549 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4746

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gggatcggtta cccacttgac acgacaggag aaaacagggtc acagattaac tggcagccac      180
acagtgcata tgtatggtaa tatgggggga agggtagcac acagtcaaat catctgcca      240
agtgcattgct gagtggatac agatcacagg ctgagcacct gggggcaggg ctttaaactct      300
tggactaaat tcactcatga gccctccagg atatctgctg gcagggtgcac ggaggatgta      360
catagcacat gtgtttgata atgcagtcca attggggagt ggataaagtg catttatattt      420
cttctatgtt tgtttttgta aaaaggagaa aggaagcaaa agactccttc ctttcagacc      480
cagtgtccac tgagcttggg gggggtggag ccgggaccag ccccttagga aaagggtgtag      540
gaatagaagg caatggcatt ggcgctatag tccatgggga ggagggtgcc gatgtgcctg      600
gcccttaggc tggccccacc cagagcggag gagtgcctca gcttcatcag ggtgaagctg      660
gagaagaagt tctgagcctg gatctctctg ccctgggtca gcgccaaaag aaaaccttcc      720
ttcagcagct cccagctctt ccacacagag cccacgcaca ggatggggag tccaatcttg      780
ccctggaaca agaccgggtc aatctcgggc aacactgcta cgatgtgtct gccagcatc      840
tccccagcct tcctgaagat atagcgggaa agggggtctc cctgctgagc accttctgca      900
attttccggc aaaaccagc aaacctgcat ttatcaaagt ccctatacag gtgagtgtgt      960
atccctagcc gatctggcac ctggaaatag tggaaacatgg cctgtttgac gtagccgata     1020
tcatgaggag ccgcctctag gttgtcaatg gagtcaaaca ctattttcac tgcttggtgt     1080
gcgatccagt aggtgaacc ctcatcacc atcatatggc ccagccgcc gcagccactc     1140
tcggagccat cagggttgat gaggctgcag ttggagcctg ttccagatat gagcacaact     1200
ccaccatccg gtgtagctgt ggcgatggag ccggcggcat cgggtggtgat taagtagctt     1260
tcaactcagg agggaaatcg gtccctcagc tccctgatca ggatcctccc cgcgtcctcc     1320
tgggtccccac cgctcagaga taggccaag cttcgcagcg gtaccagagg atccaccctt     1380
gctttccggt tggccctgtt caccatctca ttgatcctct ccacacactt gtctgtcccc     1440
atcagccagt ggtttgtgct cagtccatct gcttctgccg ggatcttccc atcctctgag     1500
actaaaagga cctcggtatg tgtgcctccc ccctctacac ccccatagat cgcggccatg     1560
ctgctgtctac cgtcgtgtgt ggtcccgccg tttgcgtctc tccccgcctg acacctcctt     1620
ccctccagca cgaaa                                         1635
```

<210> 4747
 <211> 2507
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(2508)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (2461)...(1592)
 <223> similar to gi5199139 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400>	4747					
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agtagctggg	actacaggcg	cccgtacca	cgcccggcta	atTTTTtgta	tttttagtag	180
agacggggtt	tcaccgtgtt	agccaggatg	gtctcgatct	cctgacctcg	tgatccgccc	240
gcctcggcct	cccaaagtgc	tgggattaca	ggcgtgagcc	actgcgccta	gcccattgtt	300
gttttttata	aaagcatgcc	cttacatgag	aatgaaagta	atcctttcat	ggtgtacagg	360
accccagctt	tagggtcttt	tgataactat	tttggtctatt	aagccttttc	ccccttttag	420
tgctagaaaa	aagtagaggt	tgtatggata	agtgccctt	aatagccaag	acttcttgag	480
gactaaacct	caatttcctt	ttataaaatg	atgatggcaa	tagtccctac	ctcagtggtc	540
tgttgtgagg	attcagtaaa	ataataaagt	gcttatcatg	ctgcctggta	tatatgaagt	600
gttgatgtta	actgttacta	ttagttgtat	gtcacaatag	taataataag	ctatctttca	660
cataagaaaa	tattgctctt	gtgccatcac	caaagtggtg	gtactctgaa	ctgtatcatc	720
aggagagggt	aaaggatttg	ctcagaacaa	ataaaaaacc	tctccctatt	atgaccaatg	780
tttttaatga	aaatctcata	ttttggcttt	aaagtaagg	gcttggcttt	cattcataat	840
ctatttccac	taaaaatata	catttgctta	tggttccact	aatatcacia	ttagtttatg	900
agatgttggg	gatcttgtaa	tactccagga	agaggttatg	gaaaatttca	taaaggaagt	960
ccactgggaa	attaaagtaa	acttttaatg	catatatttt	aaaaattcac	tttccatttt	1020
actattttaa	agtgcattga	aaattctttt	ccattttttg	gtaggtaatt	aatttgaaga	1080
agggaaatc	aatgctttac	tattactacc	aacaggattt	tacacaagaa	acattagtaa	1140
cttaagctgt	ggatcctgtg	aatgtacaac	tgacacagat	tttgtaaata	catactgggc	1200
ctggaactta	tgttgattat	aaaagtcaaa	gggtaatttt	cttttaaaga	tatattactt	1260
ataaaaatatt	cccgaagtat	gaattgtgct	tttagtttag	gatatatgat	ttaaattgat	1320
gcacactgca	gatgaatgtt	taccctgct	gtagatttaa	agaacagcat	agatatctca	1380
agaaccccaa	ataaaaattaa	tttttccctt	ccttgtataa	ctccttaagg	atttacatca	1440
caaagtaaat	caagaaaccc	tctattttaa	ccaagcagtt	tgtaaaagta	agtagcagga	1500
tacagaaatc	ctcaaaccta	tatactggta	aaattaaatg	acttttccct	ttaggtagaa	1560
gtccagcctc	tcaaattgca	tttgagaatc	aaagttttaa	ctgtgtttgg	agactgttga	1620
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taacttcaga	tactccattg	gttccaagga	tgcaaggcaa	acttaaaaaac	acttcactat	1740
ttatatcata	atatcccttt	gctaaagctg	atacagaatg	gactttcttc	ttattgttta	1800
caatactgtc	aacctatgtc	gctactgata	gtccaacaga	ccaggatctt	tgacctttta	1860
ctcttagcag	ttccatggct	ctgttgga	gctgcacttg	agaggatatga	ctcactactt	1920
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ctttgcctga	agtctgtgcc	ttcaaaacat	ttgtaataat	atactgtaat	ctctgtgaat	2040
ccagattaca	tccaattccg	atcactcgat	ttgcaggaaa	tgtactcagt	ttccatgtta	2100
cataggcat	gatttccact	ggttgagatg	caacgagcag	gacactgtgt	tgactataat	2160
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ctcctttagt	cccttctgag	aggtctaaga	ggacaagcct	gtctgcaata	cccttctgtg	2400
aaattgctaa	tgtgcaggca	ataccgagtt	ctccacctcc	aaccacagta	attttattga	2460
ctgtttttgaa	ttccaccaca	gggactacgg	tctcgaggtn	nagcccc		2507

```
<210> 4748
<211> 2375
<212> DNA
<213> Homo sapiens
```

$\langle 220 \rangle$

<221> misc_feature
 <222> (1650)...(859)
 <223> similar to gi414111 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4748

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gattaagttc	acaatttgat	ttgtagacta	atgggtttat	tgattcaaag	tatctttaaa	180
gagcagaaat	aggaaacaag	catacaccac	acacaccctt	ttagtttaag	tgatatatca	240
gatcaaagtt	gaattaatat	aataatcttt	agtgccttta	attgtattgt	ttgttttcag	300
tagaccaatg	aaaatacata	gatccaactg	cagaagaggt	taggtaatgc	cggaaatgatt	360
ctctatcata	tcggtgtttt	atttccaatt	atacagataa	ataagtgatg	ttgaaatcca	420
tgctatttct	atcctcaaaa	taagataaat	gtatggttac	attctagcat	ctcatcaaga	480
gtcatcatga	aacaataata	tatttactac	ttttgcaaaa	taatataata	tagactccca	540
caggctataa	agtttactta	attaattttg	gtaatgtggc	actttacaat	ggcttttggg	600
tcatatcata	ctctgttgct	gctactacta	ataataataa	aataacagta	aatgtaaaaga	660
agaaaccaaa	agaaaataaa	ttagatcact	tgatagttct	aaataattgtt	ttggtttatc	720
cttgaactgg	aaatcaattc	tacatgatgt	ggaaagaaaa	caaacacatc	tttataattc	780
agagtgtgta	ttttgaaggt	gtaatatgat	ttatccaatg	ccagtgtggg	tttgtcatgt	840
tctttttatt	caatgtcaac	tggttccgta	gctattaaag	cacttaactg	tttctgtgca	900
caggagagga	acagttccaa	actggacagg	cttctttggc	ggatgacttg	atcgagcctt	960
ttctgttctt	ttatatactc	tatcaattca	tctcttggtc	ttttcactgc	ctcttcaca	1020
gccttttcac	ttagtttctg	ctcttctatt	attgctgcct	taacagtttc	ctgacttatt	1080
tttctttggt	cttgatagc	tttttgaatt	tcctgagata	ctttttcttg	atcttttgca	1140
tgttctgtct	tccataattc	cctttcttca	gcatgcgctt	tttctaaatt	ttttctttct	1200
tcttctacga	cttttaaaac	tgcatccttc	attgcttctt	tttcaagctt	tgacgcggat	1260
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gaagactgca	gtagtgctt	atattcatcc	acaataatgc	tgagggtctc	gtgaccagct	1560
ttcctcatgt	cttccaattc	ttgtttatgt	ttttcctgaa	gttctttgta	tctatcttga	1620
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tccatcaatg	attccacatc	ctgttttaatt	ctctgttttt	cttcttcaga	tactttgagt	1740
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gtttgactca	caatgctatt	tgctgcatgt	gtattctctg	gtgatgaaat	aatggcatca	1980
gaagagaggc	agccaatgga	agaagagtgg	tcacggtcca	gtacaatctc	aggagaagat	2040
ggtgaaagat	ggactccaga	tactgcagga	aaggcagccc	aaggaatagc	aggagatggt	2100
gtttgggttt	caccacttcc	accatcaaaa	gtctccgcag	cctcaaaacc	acaaaaatca	2160
tcatctcca	ttcttcaagt	ggcacctgct	cccctctctc	gctctccgct	gccgcccgtg	2220
cgccgctcac	ccacgctgcc	cggtgagcca	ccccagcac	acagaccctt	acgcgtacac	2280
ccgaggcacg	gccccaggcc	cttgagggga	gaccgcggcc	cagccacaca	ggttggggta	2340
gcccacgcac	caccgcgctt	cgaacaccta	cgaaa			2375

<210> 4749
 <211> 2528
 <212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2529)...(973)

<223> similar to gi5565866 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4749

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gtcttggctg	ttgggatgat	aattcttttg	ggtgagggga	acagccgtgg	tcaaggctgc	180
ctgcaccccc	atccaggcac	aggaccttgg	gcaaagtctc	aaaagaggta	gtgtttttac	240
tttcgcacca	acaatacaac	ataagtattg	ggtacaaaag	aggagatttc	cttccccctc	300
acctcaacgg	gcaaaaggcc	ttccatcttc	agaagaggct	tgtgaggacc	atcggttgat	360
gacctcctag	tgaattctgg	ctcccattca	gagcacagag	aaacccacaa	aaggggcctg	420
tggctctggg	tccaggtctc	aagggtacag	cttggttaca	tccccaggcc	ccaggctgat	480
tctcctgcca	tcatactgca	agccttctct	taccactttg	acccaggttg	aggtctggcg	540
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ttgttttatg	ttggtggcac	atgtagacac	tttggcataa	cgaaccccat	agagcctgca	720
gcccaatcca	ctctgttttg	gtttagaatg	aagttttttt	tttaattatt	tttcttgga	780
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tgggctctgt	cgaagatgac	gtagaagccc	tccatcaccg	tggcacccgat	caccagcgca	1320
tttgtggatg	gggaaatgcc	gaatcggtaa	cattcataat	tcaggccggc	ccccatcatg	1380
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gccagctggg	acccagtcca	gaaaccatca	gagaattctg	gaatcagaga	tgcgcgggcc	1560
acagcttcca	ccaccgcata	aaacaccttc	tggggcaggc	gcagcagcgt	ggtgccactg	1620
tccacgatgg	ccttgtctgc	gttatactct	ctgcagtcca	gattaaggct	ttggcctcca	1680
atttccaatt	tcagaatttc	tatctggtag	taccactctt	ccttaatagg	ggtataccag	1740
atgtctcctt	tatacaaaact	tggttcaatt	ccacccaaga	caagactacc	tccgttggtc	1800
ccagatccag	caacgggcaa	gccggctcca	cacatctgca	tggagaaaac	gttgggggatg	1860
tttgcttggtg	tcaccaggga	gtcgaagaag	gtctccagag	aacttgatgg	cttggcaagt	1920
gtggcataag	ctaggccaag	tattccattc	catttaatcc	caggcaaaaa	gaaattctct	1980
gattcaaaaa	tagtggcaat	gttgacaaga	aaagaagtat	tgaagccttt	ggggatggtg	2040
acgaggtctt	ccccaacgaa	gcccgtccag	cttccttggtg	tgtacttcac	tgtgacgtca	2100
aagcccttgg	agcggtatgt	gctagacctc	tctgtgtcaa	agtacgtgtc	tatgtaggag	2160
tgcgggggtt	ctgccacggc	aaagtacttg	cttccagtgt	caacgagaat	ctgtagcttc	2220
tgcggggggg	tcccgatcag	catctccagg	tagtagccgc	ggccagagtc	cccctgcagg	2280
ttgtctacca	tggccaagaa	gttggcggcg	cccgcggggg	acgccagggc	aggctccagg	2340
gcgagcgcca	agccgtcggc	gtggcgctcg	gcaggggtcc	cgggtcccgg	ggtgggcgca	2400
actacgcggt	tcgtggccgc	ggccacccgg	aggggcagcg	tgaagggcgc	gggggccagc	2460
tccggggcgg	cgcgcaggag	ccactggggc	agcagaggca	gcagcagcgc	ccggggccagt	2520
gcgccccat						2528

09433723E "012100

<210> 4750
 <211> 1734
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (5)...(476)
 <223> similar to gi4884148 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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 ggctggaagg acctggcagg acagtgcacac ggtcaagctg ttggttgacc tggagctgag 120
 ctatgggttt gagaatggcc agaaggctgc tgtggtacac cacttcgaat ccttccctgc 180
 cggctccact ttgatcttct ataagtattg tgatcatgag aatgctgcct ttaaagatgt 240
 ggccctgggtc ctgactgttc tgctagagga ggaaacatta gaagcaagtg taggcccaag 300
 ggaaaacggaa gaaaaagtga gagacttact ctgggccaaag tttaaccaact ctgacactcc 360
 cacctccttc aaccacatgg actcagacaa attgagtggg ctgtggagcc gaatttcaca 420
 cctggtactg ccagtccagc cagtgcagtag catagaagaa caggggtgcc ttttctaaag 480
 ctaagcacag agttgggttac agaagggtata tgtttatgaa aaagtttggt taaagacctt 540
 ccatttatat ggaaggaggt tgataaaata gcttgaggaa atagcctgaa aaacaaagat 600
 gagcttatct tagaaacaag tttttatctt ttattccttg taaaatcttt ctaatctaag 660
 ccttgacaaa gctaaaaaatt aacctgactt tttttctttg gaccaaataca gggttgaaat 720
 atcgaatgata tatatgagaa ttttttttaa attctaaaat atagcaacat tgcacaggaa 780
 gatactctta ctctcttagag taactacaga gtgatttttt ttttttcttg agggagactc 840
 tgaaaaacct tttcgataat gtttggactt ggactaaagc aattagaatt atgaagcaat 900
 gataaccttt aaaaaatttt tctatcacat gttgaatatt ttcaaacctt actttaataa 960
 tctaaagtta cgggattata tcttatatta attttgcagt tttgagtagt atgataaaag 1020
 aaataagaat tcaaaccatt aagtacctac ctaaaatacta catgtaaggc actgtgcttt 1080
 tatttccattc agctgaggta taagcagctg tactcaaatag ttcttaaaaa tgagaaccag 1140
 tggggaaatt gtttataatc attggaaatg aagaaattcc aattggctat atctttactt 1200
 cagcttttct tgaacaattt acagcattga ttttcaaact gtgtctactg gcacccttcc 1260
 cctttgtatc agagcagttc tgcttttaac tgttttatat gttgggggttc tctatgagat 1320
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 aagagtttgt agactctttc agcagaacag attttaataa ccaatttatt tgttttat 1680
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<210> 4751
 <211> 3070
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (173)...(852)
 <223> similar to gi3877428 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4751

tttttttttc	cctttccag	tttgactttt	gccatctaga	gtttgtaa	taagtgtca	60
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ttcgccatt	ttttcaaatc	tttgatggtt	tcatttcgaa	tgtttttagtc	tttgctcagt	180
ctggattccc	ttgctgtctt	cctgtagccc	catctgtgac	ttcctagaac	tccagcgccg	240
ttaccgcagc	ctcctgggtcc	cctcagat	tctgtccgtg	catctgagtt	ggctatcagc	300
cttccccctg	agccagccct	tttccctcca	tcattccaagc	cggatccagg	tctcttctga	360
aaaggaggca	gctccagacg	ctgggtgctga	gcccactact	gcagacagt	accccgctta	420
tagttcaaag	gtactgctgc	tctcttcccc	ggggttgag	gaattgtatc	gttggtgcat	480
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gccggatgtc	tggaccatca	tgcctacttt	ggaggagtgg	gaggccctgt	gccagcagaa	840
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acctgctgtc	atcgacgccc	ctggctgtgt	aaacctgtcc	ctccatggga	ttgtggagga	1080
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aaggtctgat	gtcagtgaac	ggaattgaag	agcaagacat	ggagcctggc	tggggctaag	2700
cagccccctc	ctcggatgg	cacaggctct	gctaggttcc	ggacacaggc	ttctggggga	2760
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tgggtttgcc	agtagaacac	tgcgttccag	tcaccccggt	cttgccagaa	gaaaccagca	2880
cctctttccc	gtggctcctg	tggttcagaat	gtggtattgg	ctctggccca	gccttctccc	2940
ctgttaccca	taattcttgc	ctctttccat	aatccgtggt	ttcagtttga	ctttgtatat	3000
aaagttgggg	tttttttttt	ttttttgggc	ttgtttttta	aataaaccaa	agtcaaaacc	3060
aaaaaaaaaa						3070

<210> 4752
 <211> 1927
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1928)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1608)...(1490)
 <223> similar to gi5817244 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4752						
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cacacacaca	cacacacaca	cacacacaca	cacacacaaa	accaagcaat	tataagtcct	180
ctgaagcatg	taactgtgat	tagctgctac	tctcagcaat	ataaaaatac	tttcaccaca	240
attacattcc	agcctgtaat	gtaattcaaa	acaaacaagt	cagagacatc	gctcaaataa	300
cagaaccaac	aaatacagat	gctttgcatc	aaggaaatga	atctactgaa	gaaatgcaac	360
tgaggagcag	cagccctccc	agggcctgga	gctgagcttc	tggtggaacg	gcgaggcccc	420
cttctgggca	gaggcacaca	gtgcgcccag	agggctgtgc	aaagctgccc	tgtagtcatg	480
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aaattgatca	ttctattttt	cagtcagcat	tctcaccacc	aatggcacc	tatccccttt	660
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ctatcatatc	catctccctt	tgctagaata	taagctccat	gaggggtggga	taatttggtt	780
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gcacttggtt	taaaagtatg	cattttttct	aaatgcttta	taaaagcaaa	gtcttttcta	960
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tgccagtcct	ggagaagggt	ttctcagggg	ggcaaaactg	agtccaaaca	cactccaggt	1140
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gctagaaggg	tatgcactac	ttgctaattt	ctaaaacctc	aaaccttaat	tttcccccat	1260
cttaaaatgg	gaatcagctt	ctggaaaagc	taataactgt	ttacaattgt	cagacttcta	1320
aaaagtgcta	atttgttccc	ttaacagagc	aatgatgag	agacaccatt	ttcctgcaga	1380
ttaaaaacaa	tatataaaca	tatgattcaa	cgatgtcaac	agctttcagt	ctatgaatct	1440
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ttcctttttc	cgaactttcg	attttgggtg	atttggattt	tcttgtttgt	agaaggtcct	1560
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```

<400> 4754
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ggcggcaggg acgatgtgag tgcggggctg agaggcagcc atggggcccg cggtgagccc 180
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cctggaaact acaagcccaa cgtcactcac tactttctcc ggctgcttca tgacaagggg 660
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gcctcaaagc tggttgaagc tcatggaacc tttgcctctg ccacctgcac agtctgccaa 780
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aggttcttgc tgcattgtgt tgatttcccc atggcagatc tgctgctcat ccttgggacc 960
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gccagctgg gggacgtggt tcatggcggt gaaagcctag tggagcttct gggctggaca 1140
gaagagatgc gggaccttgt gcagcgggaa actgggaagc ttgatggacc agacaaatag 1200
gatgatggct gccccacac aataaatggt aacataggag acatccacat cccaattctg 1260
acaagacctc atgcctgaag acagcttggg cagggtgaaac cagaatatgt gaactgagtg 1320
gacacccgag gctgccactg gaatgtcttc tcaggccatg agctgcagtg actggtaggg 1380
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gtgttgaaact cttcactctg ctgaagctcc taatggaaaa agctttcttc tgactgtgac 1500
cctcttgaac tgaatcagac caactggaat ccagaccga gtctgctttc tgtgcctagt 1560
tgaacggcaa gctcggcatc tgttggttac aagatccaga cttgggctga gcggtcccca 1620
gccctcttca tgttccgaag tgtagtcttg aggcctggt gccgcacttc tagcatgttg 1680
gtctccttta gtggggctat ttttaatgag agaaaatctg ttctttccag catgaaatac 1740
atttagtctc ctcaaaggga ctgcagggtg tgacatgagt tggaaaggga accctgggat 1800
acgtggcgtc ccctctattg gaacagtctg aggactgaag gcatttgtcc ctggatttat 1860
tgagagacggc ccagctcctc cctctgaagg tggtcacatt ctgttgactc tccatactca 1920
gcctctcctc cagaaacaga tctgttccag aacattccag cactttctat ctaaaatcct 1980
tgtccccaca ctacgcccc ctgtatt 2007

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```

<210> 4755
<211> 1420
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(671)
<223> similar to gi4884180 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 4755

Q. Did you see any other people in the car with the driver?

<211> 1615

<212> DNA

<213> Homo sapiens

 $\langle 220 \rangle$

<221> misc feature

<222> (35) ... (894)

```
<223> similar to gi3687322 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters
```

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gggcctgcc	gccttccgc	agtcacagcc	cagccgcgag	gtgctggcg	acttccagcg	120
ccgcgagccc	tacaagttcc	tgcagttcgc	ttacttcaag	gcaaataatc	tccccaagc	180
catgcgcgct	gctcacacct	ttctactgaa	gcatacctgat	gacgaaatga	tgaagaggaa	240
catggcatat	tataagagcc	tgccctggtgc	cgaggactac	attaaagacc	tggaaaccaa	300
gtcatatgaa	agcctgttca	tccgagcagt	gcgggcatac	aacggtgaga	actggagaac	360
atccatcaca	gacatggagc	tggcccttcc	cgacttcttc	aaagcctttt	acgagtgtct	420
cgcagcctgc	gagggttcca	gggagatcaa	ggacttcaag	gattttctacc	tttccatagc	480
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tataggaggc	tatccggttg	agaaatttgt	ggctaccatg	tatcattact	tgcagtttgc	600
ctattataag	ttgaacgacc	tgaagaattgc	agccccctgt	gcagtcagct	atctgctctt	660
tgatcagaat	gacaaggtca	tgcagcagaa	cctggtgtat	taccagtacc	acagggaacac	720
ttggggcctc	tcggatgagc	acttccagcc	cagacctgaa	qcagttcagt	tctttaatgt	780

ctcctccagg	tgccgcttct	gctcgggtggc	tgcgtaaatg	tccccagcc	gcaggtatcg	1440
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gaatatcact	gtcgctgagt	accaggtctt	ggcacagtgt	atgctgactt	ttcctccgag	1740
ctccacccac	gggatggtga	gaatggaccg	ggcgtaggca	ctaggcaggg	tgaatacgta	1800
ctcctccccg	tggtccagga	gcctcaacac	accttcccct	atcatagaga	ccccacgga	1860
catgcccattg	aacttgcttt	tggtccatac	atgagtgttg	acgcacagtc	tcttctcctc	1920
gcactcacag	tagaagcagg	agatgggtgg	gtgatgggac	acttgctcag	ccacaaacct	1980
tagttttag	cttttggaag	ggatcatcggc	cattgggtgt	tcgtgacagc	tggcaggaga	2040
gcgggaagca	gtcctcttag	gcttgaccct	gtccttggga	acttcccagg	agcagtgaaa	2100
tgtctcgctt	atgatggggt	tgtagggcct	cttggctaaa	gcgccttgc	ggccctcgtg	2160
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<210> 4758
 <211> 1314
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1315)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1294)...(532)
 <223> similar to gil293145 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4758						
ctctcccaag	gggttttaaat	tggtgggcccc	ccgggttttt	cccccccccc	ggtgttttaa	60
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gggcgttaaa	attggttctt	tttaaaggcc	ccccctttt	tttttttttg	ctgttaaata	180
actttaatgg	ttgatgtggg	agtcacaagg	gaggtatggt	tgctccaagg	gttcttcagt	240
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ccacaattta	agaggggctt	ctgcccaccc	ctgcagccta	ccccagggtc	agcagaggaa	420
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aggtgggagg	ggggcaaccg	agcgagccct	aggggagtg	tctgggggga	cagcatccag	660
ggaaaagggt	cggggtctcc	cccagggcag	ggggtgggtc	cagtctgggg	ctggggccac	720
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gtcatccagc	ggctcaatag	ccatctcatg	gtacaaggac	ccctgctttg	ccagtgtttg	900
gggtgggtttc	cggggagcag	gagtttcaat	tttcatgatt	tcatcacagc	actgtttcca	960
ttgggtcatg	tcaaagaaaa	gctgccacag	agcctccatc	cagctctgca	gtgcttcccg	1020
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ggggaagggc cgtcctagag cctgggtccag ctccccctgcc cggactcgag tctccttggt 1140
gacagcaata gtaagcagcg gctcttcccc agtgtctgca tcttcagggt gccggtaaca 1200
gaagagggtt gtgcctttca gaactccatg cacttggtgcc cagttctgca tctccccagc 1260
ttgctgcacc ctgagggtac cacttgacagt ggggaattnn nnnnnctgga ctag 1314

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<210> 4759

<211> 804

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (51)...(519)

<223> similar to gi3876146 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4759

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tctacaaggg actcggggcc acgtgctca gggatgtccc cttctctgtg gtgtacttcc 180
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gtgatgtggt gaagacgcgg ctccagtcac ttcagcgagg cgtgaacgag gacacctact 360
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agcaccgct ccacccagc cagctgggca gggccgggtgt ggggctggag ccaggcagct 600
agcccaggac ggagcaaggg aagaccctc cccagccctc ccgtcggcag gggcagcagg 660
gggcagggtg cagggtccac ataggtggtg cacacgcaag cccccgggg tgctgcctgc 720
accgttggga tcaatgtctc atttatgtag aaaatgcaga aatctttaca ttcctcaagc 780
tagcccctgc cccaatcctg ccct 804

```

<210> 4760

<211> 1342

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1343)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (3)...(559)

<223> similar to gi34339 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4760

```

gggtcacctg caactgcacg gatggccggg tggcccccag ctgtctgacc tgcgtcggcc 60
actgcagcaa tggcggtccc tgtacccatga acagcaaaat gatgcctgag tgccagtgcc 120
caccacacat gacaggggccc cggtgtgagg agcacgtctt cagccagcag cagccaggac 180
atatagcctc catcctaate cctcnnnnnn nnnnnnnnnn nnnngttctg gtggccggag 240
tggattcttg gtataagcgg cgagtccaag gggctaaggg cttccagcac caacggatga 300
ccaacggggc catgaacgtg gagattggaa accccaccta caagatgtac gaaggcggag 360
agcctgatga tgtgggaggc ctactggacg ctgactttgc cctggaccct gacaagccca 420
ccaacttcac caaccccggtg tatgccacac tctacatggg gggccatggc agtcgccact 480
ccctggccag cacggacgag aagcgagaac tcctggggcg gggccctgag gacgagatag 540
gggacccctt ggcatagggc cctgccccgt cggactgccc ccagaaagcc tcctgcccc 600
tgccagtga gtccttcagt gagccctccc ccagccagcc cttccctggc cccgccggat 660
gtataaatgt aaaaatgaag gaattacatt ttatatgtga gcgagcaagc cggaagcga 720
gcacagtatt atttctccat cccctccctg cctgctcctt ggacccccca tgctgccttc 780
agggagacag gcaggagggg cttggggctg cactctctac cctcccacca gaacgcaccc 840
cactgggaga gctgggtggtg cagccttccc ctccctgtat aagacacttt gccaaaggctc 900
tccctctctg ccccatccct gcttgcccg cccacagct tctgagggc taattctggg 960
aaggggagagt tctttgctgc ccctgtctgg aagacgtggc tctgggtgag gtaggcggga 1020
aaggatggag tgttttagtt cttgggggag gccaccccaa accccagccc caactccagg 1080
ggcacctatg agatggccat gctcaacccc cctcccagac agggccctccc tgtctccagg 1140
gccccaccg aggttcccag ggctggagac ttctcttgtt aaacattcct ccagcctccc 1200
ctccctggg gacgccaagg aggtgggcca caccaggaa gggaaagcgg gcagccccgt 1260
tttggggacg tgaacgtttt aataattttt gctgaattcc tttaacacta aataacacag 1320
atattgttat aaataaaatt gt 1342

```

<210> 4761

<211> 1235

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(475)

<223> similar to gi2981229 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4761

```

ggccatcatc tccggcatga acatgagccc tgtctccagg ctgaagaaga cctggggccaa 60
agtgaggacg gccaagtttt tcatcctcga gcaccagatg gacccaacgg ggaatttctg 120
caactacagg acagccctgc gggggggcgc ccaccgctcc ctgacggccc acagcagccg 180
agagaagatt gtcattcctt tcttcagcct gctcatcaaa gacatctact tcctgaatga 240
gggctgcgcc aaccgccttc ccaatggaca cgtcaacttt gagaaattcc tggagctggc 300
caagcaggtg ggggagttca tcacctggaa acaagtggag tgtcccttcg agcaagacgc 360
cagcatcacc cactacctgt acaccgccc catcttcagt gaggatggtc tttatttggc 420
ttcttatgaa agtgagagcc cagagaacca aacagaaaaa gaaagatgga aagctctaag 480

```

```

atcttctatt ttggggaaga catgaaagcg ctgagctgag ggacgaggaa gagctggagc 540
ccgcagaagc cgtccacagc cctgcctcag tggcccagtg ggcagaggcc agggagtgcc 600
tcaactatfff gcaaattgccg accctgtggc ctgctgcccg cccccccccc cccacaggg 660
gccatacggg cacaggaaac cttttatggg actttggccc tggcaggacc cagggcctcc 720
aaacgtgcgg gcggcacatg ctttggggac atcctgcctt caggaccggg gggcctggtc 780
agtctgtcca tcctcggaac ggacacaaca ctgccccaaa ggggggggacc actgcaagct 840
cgagaccttg cttggtgaca tgtgccactt tggccaccac ccacagtctg tcaccacgtg 900
gcttggaac ttctggagcc acagcaggca tcacggtgcg acgtgagatg cctgcgccag 960
ccccgagccc actggcagcc actgccattc caccatggt ccctcacccct gccctgccga 1020
cgagcttgct tctgcagccc caggtacccc ctctctggat gctgctggcc ccaggagata 1080
gctttccggt gacagctgtg gaacgcgtca gcaggacaaa ctggacacat ggagttacag 1140
tgtgtacacg gcagtcgccg caccagccc ccttgtaaac tctagtcact ataaacacac 1200
ccgtacgcct atccatgtcc accccaaaaa aaaaa 1235

```

<210> 4762

<211> 682

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(683)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (7)...(407)

<223> similar to gi5640017 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4762

```

cccatcgga cactattcag tgtggcgga ttcctcgtgg aacatcagag aagccacact 60
ggagagaagc cctatgaatg caatgactgt ggcaaagttt tcagccaaag cacacacctc 120
atccagcacc agagaatcca cacaggagag aagccctaca agtgcagcga gtgtgggaag 180
gccttccaca acagttccag actcatccac caccagaggc tgcaccacgg agagaaaccc 240
tacagatgca gcgattgcaa gaaagccttc agccagagca cgtacttgat tcagcaccgg 300
aggatccaca ccggggagaa gccctacaag tgcagcgagt gtgggaaggc cttccggcac 360
agttccaaca tgtgtcagca tcagcggatt cacctccggg aggacttctc catgtaacag 420
tggcgcggtg tccgagggca gagtccagct gagcacttcc tgcattgcgc cccggcacct 480
gactctgccc tttatgtatt atccacacga tgttttcaca gagtgaagg acgtttctca 540
ttaaacaaac ctcttttctt aaatcaaaag cagtgcattg tcattntaga gaaattgaga 600
caganaagtg ggcaaaaaag aagcttctgt gatctctccc acttagaaaa aaaattcatt 660
gctgctgatt tacgaatatt tt 682

```

<210> 4763

<211> 697

<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (699)...(146)
 <223> similar to gi3329425 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4763
 tttttttttt ttaaaactaa aacatttgga ggtaaagaat gtttctcctt ttgctttagg 60
 aagtgactag gtttctagaa atgctgtcgc tttttttttt tcctacctca ggacagcctt 120
 tgtcactgag gatttctagg gttagggtctt cacaggaagc gtctccttga acccagagtg 180
 gttgggttgg gcttctggca gtgccaccga gtactcagtt gtggcaaaaa gcagggtgtc 240
 cagggtgggtc tcagtacact tggcgatgaa gcgaatgaaa ggccctcacgt cgcctcgtt 300
 ggcagcttcc aacacgtggt agtagtcgga ccgctgctcc ttgcggatgg tgatgggcgg 360
 gtagcccgcc tgcattgagga tgagggttcat gagcagacgg gaggtcctcc cgttgccatc 420
 aatgaaaggg tggatgtaaa cgagtttata atgggctaag gctgcaaact ccactgggtg 480
 cagggttcatg gcttcctcgg agttgagcca ctgtacaaac tcctgcatct gcttttccac 540
 atcctgcgga tggggaggga tgtggtgtcc gaccaggacc tgtgtgtgtcc gaaacctgcc 600
 ggcttccacg ggggtccacgt agcccagcac ccgcctgtgg atctccagca cgtcgtgat 660
 ggtgacggag ccgatgcgcg aaaccagagt cgtgttg 697

<210> 4764
 <211> 2084
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (2)...(1654)
 <223> similar to gi3327206 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4764
 gcgaggcggg gccgccgggg ccgccatgga gcccgactcg gtgattgagg acaagaccat 60
 cgagctcatg tgttctgtgc caaggctctt gtggctaggg tgcgccaacc tggtagagag 120
 catgtgcgca ctgagttgcc tgcagagcat gccagtgctc agatgtctcc agataagtaa 180
 tggaaatca tctgtgatcg tctccagaaa gaggccatca gaaggaaact atcaaaaaga 240
 aaaagacttg tgtattaaat attttgacca gtggtctgaa tcagatcaag tggaaattgt 300
 ggaacatctt atttcacgaa tgtgtcatta tcagcatgga catattaact cttacctgaa 360
 gcccatgttg cagcgggact ttattaccgc ttaccagag caaggcttag atcacatagc 420
 agaaaacatt ctttcgtacc tggatgccag gtctctgtgt gcagcagagc tggatatgaa 480
 agaattggcag cgagtgatct cagaaggaat gctttggaag aagctgattg aacgaatggt 540
 acgactgat cccctatgga aaggactttc agaaagaaga ggggtgggatc agtacctgtt 600
 taaaaacaga cccacagatg gccctccaaa ttcattttat aggtcattat acccaaagat 660
 tatccaggat atagagacta tagaatctaa ctggcggtgt ggacgacaca acttgcagag 720

gattcagtg	cgctctgaaa	atagtaaagg	tgtctactgt	ttacagtag	atgatgaaaa	780
aattatcagt	ggcctacgag	ataattctat	taagatatgg	gataaaacca	gcctggaatg	840
tttgaaagt	ttaacaggac	acacaggctc	tgtcctctgt	ctgcagtag	atgagcgtgt	900
cattgtaaact	ggctcttcag	attctacgg	gagagtgtgg	gatgtgaaca	cgggtgaagt	960
tcttaacaca	ttgatccacc	acaatgaggc	tgtattgcac	ttacgcttca	gcaatggact	1020
gatggtgacc	tgttccaagg	accgctccat	tgctgtgtgg	gacatggctt	ctgcgaccga	1080
catcacttta	cgccgtgtcc	tggttggcca	cggggtgcc	gtcaatgtag	tagactttga	1140
cgacaagtac	atcgtgtctg	cctctggtga	caggaccatc	aaagtctgga	gcacgagcac	1200
ctgtgaattt	gttcgtactc	tcaatgggca	caagcggggc	attgcctgtc	tccagtacag	1260
ggatcgcttg	gttggttagtg	gatcatcaga	taataccatt	aggctctggg	atattgaatg	1320
tgggtgcctgt	ttaagagtcc	tagagggaca	tgaagaattg	gtccgatgca	tccggtttga	1380
taacaagagg	attgtcagtg	gggcctatga	tgggaaaatt	aaagtttggg	acttgcaagc	1440
tgtctcttgac	cctcgagccc	cagcaagcac	attgtgtttg	cgcacattgg	tggaaacattc	1500
tggacgtgtg	tttcggctcc	agtttgatga	gtttcagatc	atcagcagct	cccatgatga	1560
cactattttg	atttgggatt	tcttaaatgt	gcctccaggt	gcccagaatg	agaccggttc	1620
tccctccaga	acatacactt	acatctctag	ataacagtct	gcactttcac	ccgtttcagg	1680
gttttctagt	cttgaactac	tgggtacggg	gctaccaa	gcctaaggga	gttcgttcac	1740
agctgagtta	tgaagctgga	attggttcta	gacgctgggt	agatgcaaag	cagcctaact	1800
cttcaagtac	cgacatttct	cacctctgat	tccggtcttc	ctttgagaag	gagaccttag	1860
cttccccggc	ttcaagtaga	acagaagccc	gtttccttcc	ctcatcagag	aaaaaatcta	1920
atgtttcaaa	tgtaaattgt	tcatagaaaa	ggaacataga	atctgtttta	cagaagtaaa	1980
tcgaccgtca	ggagaagact	tggcctctaa	tttatattgc	tttgcacttt	ggtttgatat	2040
taagaaacag	cattcttctt	cagtgaat	ttggggtgcc	aaac		2084

<210> 4765

<211> 904

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (23)...(906)

<223> similar to gi4490506 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4765

accattagtc	cagtgcggtg	gaattcgcag	cacctaccct	cctgaaatag	tggttcctaa	60
atctgttacc	ttgggaacgg	tggttggaag	ttcaaagttc	agaagtaaag	aacgtgtccc	120
tgtgctctcc	tacctctaca	aagagaacaa	tgtgcccatt	tgccgctgta	gccagcctct	180
ctctggattt	tacactcgct	gtgtagatga	tgagctcttg	ttggaggcca	ttagccaaac	240
aaaccaggg	agccagttta	tgtatgttgt	agacacaaga	ccaaagttag	atgccatggc	300
caaccgagca	gctgggaagg	ggtatgaaaa	tgaagacaac	tatgccaaca	ttcgcttcag	360
attcatgggc	attgagaaca	tccatgtaat	gcgagcaggt	ctgcagaaac	tcttggaagt	420
ttgtgaattg	aaaactccaa	caatgagtga	atttcttagc	ggcctggaga	gctcagggtg	480
gttaagacac	attaaagcta	ttatggatgc	tggaaatttc	attacaaagg	cagtgaaggt	540
agaaaaggcc	agtgtcttag	tccattgttc	tgatggatgg	gaccgcacag	cacaagtctg	600
ctcagtggct	agcatcctcc	tagatccatt	ttataggaca	ttcaaaggac	tcatgatctt	660
gatagagaag	gaatggatat	ccatgggcca	caagttttcc	caaagggtgtg	gccacctoga	720
tggggactct	aaagaagtgt	cccctatctt	caccagtttc	ctagactgta	tctggcaatt	780
aatggaacag	tttccctgtg	cctttgagtt	taatgaaaac	ttcctgctgg	agattcatga	840

```
ccatgttttc tcttgccagt ttggaaactt ccttggtaac tgccagaagg atcggaaga 900
tcta 904
```

```
<210> 4766
<211> 1333
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (13)...(920)
<223> similar to gi3874383 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```

<400> 4766
gatgatattgt cagatctctc tccagaagag caatggaggg tcgagcacgc acgcatgcat 60
gccaaagcacc gtggccatga agctatgcat gctgaaatgg tcctcatcct catcgcaacc 120
ttggtggtgg cccagctgct cctggtgcag tggaaagcaga ggcacccacg ctccataaat 180
atggtgaccc tctttcagat gtgggttgtt cccctctatt tcacagtga gctgcaactgg 240
tggaggttcc tagtgatctg gatcttggtc tctgctgtca cagcctttgt taccttccga 300
gccaccgaa aacctctagt acagacaacc ccaaggttgg tttataagt gttcctgcta 360
atctataaaa tcagctatgc cactggcatt gttggctaca tggctgtcat gtttaccctc 420
tttgggtcta acttattatt caagatcaaa ccagaagatg ccatggactt tggcatctcc 480
cttctcttct atggcctcta ctatggagtt ctggaacggg actttgcaga aatgtgtgca 540
gactacatgg catctacat aggggttctac agcgagtcgg gcatgcctac caaacatctt 600
tcagacagtg tgtgtgctgt gtgtgggcag cagatctttg tggacgtcag tgaagagggg 660
atcattgaga acacgtatag gctgtcctgc aatcatgtct tccacgagtt ctgcatccgt 720
ggctggtgca tcgtgggaaa gaagcaaacg tgtccctact gcaaagagaa ggtagacctc 780
aagaggatgt tcagcaatcc ctgggagagg cctcacgtca tgtatgggca actgctggac 840
tggcttcgat acttggtagc ctggcagcct gtcattcatt gtgtagtcca aggcataaac 900
tacatcctgg gcctggaata gtgatgaaga gcatcagtgg aaaaccacc ccacacgcca 960
tggacctcag ggcactctcc tccctgcca caaagacctc ctgggtggga aagactcaaa 1020
ggggcgcttg ggccactcag gacccctccg gctgtgtcgg actggggagg gatattgatg 1080
agagccagcc agtggggctg tcagcagtgg ggggcttttt aaaagaaaac tattttgatg 1140
aatatattta aaaaaccttt ttttattgtg gagcatagga attgcccccc tccaggcttc 1200
accctccctg cctaagcagg gtgggggcag agccatgaca tttttggttt aaaggagcct 1260
tctcatctct ggccgagaac actgctgggc tcccaggtag ctgaaggcct cagcccaccc 1320
actcccttct tcc 1333

```

```
<210> 4767
<211> 1561
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
```



```

<222> (1)...(1562)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (821)...(391)
<223> similar to gil345423 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4767

```

```

tcatataaga aaaggnaaat aatatcaatt ttcagtacta ttatttagca ctagagcccc      60
tccagttaga aaaacaattc ttttaaatgt ctttatgatt tgaggtttca ataataactc     120
atgaataggt gaaagtttgc tatttattta gtcttagaaa aacactgaaa gaaaaaggca     180
ggaaatgtag tacgcagtgt ggaagaatgg agctggccac atgtagtttt agcagctgca     240
gaggaaactg gctgagtcta aggttacata tttctgctca gtaaggggat ccatggtgat     300
aactctcatg atgacggtag tcatcctggt aaccatcctg gtatccttgg tggttaactat     360
ggtaaccata gcctgcatac tcatcttctg ggcagcgcac cccagtgac  tgctgaatcg     420
ccatttcctg tctccgaagt tgcacgaat caattaaatc gtacacaatc accatggacc     480
acattgggga aggataccag gatttgacat ttccgtcttt tccgactaga agcatggaga     540
agtactccgg gctcacttga aaatagttac gaatgtcttt caccaaatgg gctggtacgt     600
cttctcgctc aacaacagag ctcccattaa ttgggaacag ttctaactc ccccaactt     660
cctctccaac gcctaaaagc ttcagaatgg ttatgtggcg cagacaaaaa ttgcacgcct     720
gaccactgag ggcagagagc tgctgtgaat aggccagtc  ttcacgttta ggagcagaga     780
tcaccagcaa cctcctcctc caccggaacc tggataggaa gttctccagg gactgctttt     840
tgtcctcttt gcaaacaatg ccctccttct tctgcttctc catatctttg attcgggact     900
ggaaagtatc gatcagatca aacacagact tcattgttat tggtaacctca tagtattgct     960
tgactctcag atccacatct gttagcacca tgaagaagtc attgtaggtc attccgtact    1020
ctttcctcag ctcgctgatg agacgctggt ctaccaagtc ttcacatcc accactcgca    1080
tgggcttctc attatctagc tgaaagtggg cgattttcat ggtgctgttg ttgacagggc    1140
cgaagatggg gatcacagag attttcctgg tagccatctt gcagaaactt tccagatatt    1200
catcacgttg ttgcacatac atattgttct cagccttggg agcagtgatc agaaggagtc    1260
ttcgtttgcc ttcaaaggac cccagcaggt cggccactga cttcttggga ctctgcgtga    1320
agtgtttggt ggtgggtttc tgatagccat cctgttctgt tttacctcct tttttcttct    1380
tgctcttctc tttctcttgc ttgctctttt tctcagactt cttcatttgc ttttactct    1440
taagtaactt gtctgcgttc tcattcttca tctttttttt cttctccttc tctggtttca    1500
aaagcttttc atgcttttta gactcctttg cttttttaag gggaacattc cccacctgca    1560
g

```

```

<210> 4768
<211> 3452
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (3453)...(622)
<223> similar to gi5639663 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400>	4768					
tttttttttt	ttaattagaa	acaactat	tattcagaaa	agtataaaca	gttagcaatt	60
agaatcttct	tatatacaga	cataacttgc	agaaggttaa	gtctgaggac	gctgttctgg	120
gtaattttta	cagtcctttt	tagctctaag	atccatgaca	ctgcattttt	atggccaaag	180
ggcaatcaat	tatgcacctg	gttgtctcaa	taggcagtaa	aacctaatat	aaataaatga	240
caaatcatct	gccataaaaa	aatacgaaaa	acttttgaaa	tgttaatttc	aactccaatg	300
aaacaaatac	ctaattaaaa	caattattta	ttccctgcta	gaatataaag	ggaacaacaa	360
gcttgagctg	caaggctcaa	gctttgagag	cacagaaaga	tttttaaact	aataatgcat	420
tttaagtcca	agaaatggag	ccagcccata	atctcatggt	ggaattccct	caggcaaagc	480
tggaaacccc	ctcctgatat	tatttgcaat	gcgatttttt	gttatttggg	atttttaaaa	540
tgaccccaac	ttttctgtgc	ttagtttagg	agtcacctta	aggaaaaagt	tgaaaaaaaa	600
aaagatccca	catttccagtt	ctaagtcaac	gttagaatca	acttctccct	ctttttcctc	660
ttcctcttct	tctcttccaa	gtggctagta	gcatacagca	aaaacataac	ttcacttttt	720
gcctcgcat	ccctcttgag	ataatcaaga	ccagccatat	tgaagccgat	aacatcccgg	780
acttggctga	cttttgaaat	agttgttttc	cttaattttt	ctatcactgg	cacaagcatt	840
tgattgctag	tgatctgtcc	aaagtgaatc	ctaaggagga	agaagaggca	ccggcatata	900
agttcaacat	cagagcccgag	ctgaatgaat	tcgttaaaga	gtttaagaat	gtctgggaca	960
taagagaaa	gcagcccaag	tagagatttt	tcagctcac	tcgacttgat	ccctttaaaa	1020
atctctaata	cataagctga	aggtgagata	ctgccataag	ccattaggat	ggggttgctg	1080
ggaagtggaa	cctctttccc	tcgagcttta	caaatggctt	tgtgttcctt	catttttgca	1140
gtttcttctc	ggtacaactc	aatagcctcc	ataatcctct	cagctgcttt	cactgtttca	1200
atagttttct	ttccagtaaa	gtaactgtca	ccttgagtct	ctcctggaac	tgctggttgg	1260
tcttctttgg	ccacactctc	ctcatattct	gcttctcttt	ccatctccct	ttcttctca	1320
agaataagag	gctcccttgt	tctctcccaa	agtctcagag	atttgtcatg	ggacgatgat	1380
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agtgtcacaa	agacaatatt	accttttttg	ctgccgataa	cgccaaagac	cgcactagca	3420
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<210> 4769

<211> 1491

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1424)...(707)

<223> similar to gill164927 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4769

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aaaataaatt	tgacaattta	ttcaaacatt	gttacataag	aagttttaaa	gaaactgtaa	240
ataattctta	atactctcat	tttgattttc	cgacttctca	agactatttt	gtacttcttt	300
caaacacact	tcctgatggt	gtgctttact	gttcattttt	gaaaacaagt	tgattttgct	360
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tcttgatat	gggcctcctt	ttcaaatacc	ttcttcttaa	gattcttgag	caaataataa	1440
ataagaatta	ggaattttccc	aacttgagata	atattggcta	actttataaa	a	1491

<210> 4770

<211> 721

<212> DNA

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acagaaacag	ctgacaagag	taccatttgg	ggtctcagtt	cactctttcc	ttgtttatta	900
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ccccagatt	actacccaag	tcttcctttt	gccccttcct	gccctaacag	caagtaccag	1080
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<210> 4772

<211> 2783

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (22)...(1218)

<223> similar to gi3880930 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4772

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ttaaaactga	agaccacctt	gaaatttgtg	cacacatctt	ttcatggggg	cggacatgac	180
tatgtgcagt	tggtttttta	agtgttttgt	tttaagcctc	caattccagt	accagaacaa	240
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gatcctgatg	cagacagact	ggcagcagca	gaacttcagg	agaatgggtg	ttggaaagtt	420
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aataaatcaa	gaaatgctga	tgtgaagaac	gtttatatgt	tagccaccac	agtctcttct	540
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tttaaatgga	ttggaagtag	gataatagac	ctcctggaaa	atgggaaaga	agtccttttt	660

gcatttgaag	agtctattgg	ttttctctgt	ggaacttcag	ttttggataa	agatgggggtg	720
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<210> 4773
 <211> 1658
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (8)...(655)
 <223> similar to gi3876509 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4773
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tttaatat	gccgacttct	tgttgtcctc	tgaactggct	actgagggttc	atttttatgg	180
aaaaacaatt	ccatggtttg	tttctgatac	tactatacat	gatttttaatt	ggttaattga	240
acaggtaaaa	cacagtaatc	ataagtggat	gtccaagtgt	ggggctgact	gggaagagta	300
tattaaaaatg	ggtaaatggg	tttaccacaa	tcatatattt	tggactctgc	ctcatgagta	360
ctgtgcaatg	cctcagggtt	cacctgactt	atatgctgaa	ctacagaagg	cacatttaaat	420
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<210> 4774
<211> 2913
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2155)
<223> similar to gi3127926 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
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<400> 4774						
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cagcccccac	ctccacagcc	agcaaggtca	gcttctagtt	caaccatcaa	tctaattggtg	1920
agcacagaac	cattggctct	cactgaaaca	gatatatgca	agttgccgaa	agacgaagga	1980
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tgggtggcca	acatcatata	cctcttgaag	aagaaggagt	cagccatcgc	caacttgtct	2220
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tcgaactcgg	gaggggaacat	cctgctgcat	gacctatcag	tatggtgcta	atgtgtctgt	2340
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taaaaaagtt	gtaatagaga	atatttttgg	cattcctctc	aatgttgtgt	gttttttttt	2820
tttgtgtgct	ggaggggagg	gatttaattt	taattttaaa	atgtttagga	aattttatata	2880
aagaaaacttt	ttaataaaqt	atattqaaaq	ttt			2913

<210> 4775

<211> 2796

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

$$\langle 222 \rangle \quad (357)^{-} \dots (1500)$$

<223> similar to gil572801 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4775

gaattcccg	gtcgacgatt	tcgtcgccac	ttcagggccg	gcccgcggaa	cttttgggca	60
ggtgtcagcg	cccgtgtcac	cgccacgtcg	cggacatggt	gatttcagaa	agtatggata	120
tactcttcag	aataagagga	ggccttgatt	tggcttttca	gctagctact	cctaatagaaa	180
tttttctcaa	gaaggcactg	aaacatgtgt	tgagtgcact	gtcaactaag	ctgtcttcaa	240
acgcccttgt	gttcagaatt	tgccacagtt	cagtgtatat	atggcctagc	agtgacataa	300
acaccattcc	tggagaactg	actgatgctt	ctgcttgtaa	gaacatactg	cgctttattc	360
aatttgagcc	agaagaagat	ataaaaagaa	aattcatgag	aaagaaggac	aaaaagttat	420
cagacatgca	tcaaatagta	aataatagatc	ttatgctgga	aatgtcaacc	tccctggcag	480
ctgtaacgcc	catcattgaa	agggaaagcg	gaggacacca	ttatgttaat	atgactttac	540
ctgtcgatgc	agttatatct	gttgctccag	aagaaacatg	gggaaaagtt	cgtaaaactcc	600
tggttgatgc	aattcataat	caactaactg	acatggaaaa	atgtattttg	aaataataga	660
aaggaacatc	tattgtggtc	cctgaaccac	tgcacttttt	attaccaggg	aaaaaaaatc	720
ttgtaacaat	ttcatatcct	tcaggaatac	cagatggcca	gctgcaggcc	tatagggaag	780
agttacatga	tcttttcaat	ctgcctcacg	acagacccta	tttcaaaaagg	tctaattgctt	840
atcactttcc	agatgagcca	tacaaagatg	gttacattag	aaatccacat	acttacctta	900
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attatatgca	ggatcgcata	gatgacaatg	gctggggctg	tgcttatcga	tctctgcaga	1020
ctatctgctc	ttggttcaaa	catcagggat	acacagagag	gtccattcca	acacacagag	1080
aaattcagca	ggctctagtc	gatgccgggg	acaaaccagc	aacatttgct	ggatcgcggc	1140
aatggattgg	atctattgag	gtgcagctgg	tactaaacca	attgatcggg	ataacgtcaa	1200
aaatcctggt	tgtcagccaa	ggttcagaaa	ttgcctctca	aggacgggaa	ctggctaatac	1260
atttccaaag	tgaaggaact	ccagttatga	tcggggggagg	agttttggcc	cacacaatac	1320
taggagttgc	atggaatgag	attacagggc	agataaaagtt	tctgattcta	gatccacatt	1380
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cagatttttg	gaacaaggat	gcatactata	acttatgtct	tcctcagcga	ccaaatatga	1500
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aatcagttta	atttttcaca	ttaaatcctg	gttctagttt	gaccatttaa	attatgacct	1620
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taaaagacaa	agcatacaca	accagcatat	tataggcata	taaatacatg	tgttcttaaa	1740
tggatcttca	cttgggaagaa	agtttttctg	ccttctcaga	aggagattag	acacaacata	1800
tggtaaagcc	aaaagcagga	gcttatagat	ttgcatgaaa	tgaaggcggt	cttcagactt	1860
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gactccggtt	ctgtctgagc	acggcaacac	aatcattcct	gtcagggtgt	tcacttgctt	1980
ttattgtctg	catacattta	attgttgtaa	gaaacttggc	acagtctgga	aatccacatg	2040
accaagcgag	atcttcagct	gtttgcccg	tcttattaca	taaatcaatt	tgggcatcac	2100
tggctacaag	caggcttagg	cactccaggc	ttccaacttt	tgctgccttg	tgtagtggag	2160
cttctcctaa	aacatcctgc	tggttgaggt	cagcgcccgt	ttgcagctgc	cagagaagaa	2220
agcaagcaag	gccgcttcct	gcggctaagt	ggacaggcga	ctgcttgca	ggatccgggg	2280
gtgcgttgac	cgaggccccct	gtctccagca	aatgcttcag	accatccacc	tcgggggttg	2340
aatccagcaa	cagcatttcc	cgcctaaggc	agatgacaag	agtccttgga	agtgcagaga	2400
ggtgagacac	tcgccgcacc	ccgacaggta	agaatgcgca	ggctggccct	agcacgggag	2460
aatttaaaga	ccgctgggac	ttccggggccg	gcccttggca	gccgcgcccc	agctccgggt	2520
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gtacacaaac	actggcacgt	ggagccccgc	gccgggggca	gggggagggg	gcgggcgcgc	2640
gagggcatcc	gccgattggc	cagctgtgga	tgcgtcaggc	cctcccaact	cggggcgggg	2700
cccgcggcgg	ccccacggag	cctcagcgcg	cgtgcgcagg	gtaagtcagt	gggcgtgaga	2760
ggactggagt	aggagcgggt	ggggctccgc	ggccgc			2796

<210> 4776

<211> 1285

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1286)...(607)

<223> similar to gi472900 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4776

cacacgtccg	gctaattttt	gtatttttag	tagagacagg	gtttcgccat	gttgccagg	60
ctggtctgga	actcctgact	tcacgtgatc	catctgcctc	ggcctcccaa	agtgtcggga	120
ttacggcgt	gagccacagt	gccagccaa	aatgcgacac	ttcttccctg	tctagcagtg	180
caagatctta	aagtcagatt	ataaaacaag	ttgtattctc	actttatcat	ttttctctgc	240
agttctagg	caggtttatc	tgaattactt	aagtccttca	tagtatagtg	agcataaaag	300
aggacacaag	ccaaatgtat	acttaaatta	aatagcatga	tttaatttag	ttggtgctta	360
accctgaatc	ctcttaagtt	aaaaaaaaag	ttataattaa	ctattaacgt	taatgaattt	420
aaaccttcca	gaaagcatga	atccaaaagg	aatgtccaa	caggtgatat	gaaccagata	480
ttttatggcc	tttcctgttt	cagtcctcaa	ctttctaaac	atcaatgggg	aaaaaaaaatt	540
ctctagagtt	tttcagtttt	attcttctag	agcacaattt	tccggcctgt	tactgagtac	600
ggtcttctaa	caggtacaca	attaactcat	aagtagacaa	cacaatggca	gtatttggga	660
tctgccggat	aagctgggca	aacagtcctc	tataaaaggc	aaggtagcct	tcttcccgga	720
acaccaggcg	cgcctgtctg	acaaaagact	tgtacttggt	gccctcttcc	cggagcctcg	780
tccttatgac	ttcgtgtgga	taagcaatgc	aggaggcaca	gcccttagaa	agagcagcag	840
ctgccataag	tccaaaaaaa	cttgtggaat	ttttctcagt	cccatttgca	gaagaggcta	900
atggagcttc	tttcagatac	ttctttaaac	tttcataaat	agcaaagcag	attatagttt	960
cggaaattcc	agcatcacag	gcagttaatc	ctctatagaa	gccacgaatg	ccttcggtct	1020
ggtaaacgta	acgagcacac	tggagtgtat	tcactctgct	agagcccctc	actttctggt	1080
ctagctgcat	tgggttttta	accatccata	taggattcat	taaggaattt	gtgataaaaag	1140
ctgcagagcc	agctgagaaa	atatgcacaa	tattgctggt	aggcacgaaa	atgccattaa	1200
attgctcttt	ggctttggag	taacatgcaa	agtatacagc	ccttgatggg	gcaactccaa	1260
ccaaatttgg	acccaagcct	ctaaa				1285

<210> 4777

<211> 1564

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (286)...(929)

<223> similar to gi469478 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4777

tgtgtctttt	gttgggatac	tccacagcgg	ccgctgcaga	gtgaaggcgc	tgcagcgctg	60
gtcaccaagg	ggtgccagcg	attggcagcc	cagggcgcac	ggcctgaggc	ccccaacgg	120
aatgggccc	aggatggtgg	ggatgcccct	tcaccagca	aacggccctg	ggccaggcaa	180

gagaaccagc	aggcagagcg	ggaggggtgc	atgagctgca	gctgcagcag	tggcagtggc	240
gaggccagt	ctgggctgat	ggaggaggcg	ctgccctctg	cgcccgagcg	cctggccctg	300
gactatatcg	tgccctgcat	gcggtactac	ggcatctgcg	tcaaggacag	cttcctgggg	360
gcagcactgg	gcggtcgcgt	gctggccgag	gtggaggccc	tcaaacgggg	tgggcgcctg	420
cgagacgggc	agctagttag	ccagagggcg	atcccgcgc	gcagcatccg	tggggaccag	480
attgcctggg	tggaaggcca	tgaaccaggc	tgtcgaagca	ttggtgccct	catggcccat	540
gtggacgccc	tcacccgcca	ctgcgcaggg	cggtcgggca	gctatgtcat	caacggggcg	600
accaaggcca	tgggtggcgt	ttaccaggc	aacgggctcg	ggtacgtaag	gcacgttgac	660
aatccccacg	gcgatgggcg	ctgcatcacc	tgtatctatt	acctgaatca	gaactgggac	720
gttaaggtgc	atggcggcct	gctgcagatc	ttccctgagg	gccggcccgt	ggtagccaac	780
atcgagccac	tctttgaccg	gttgctcatt	ttctggctct	accggcggaa	ccccacgag	840
gtgaagccag	cctatgccac	caggtagccc	atcactgtct	ggtattttga	tgccaaggag	900
cgggcagcag	ccaaagacaa	gtatcagcta	gcatacggac	agaaaggtgt	ccaagtacct	960
gtatcacagc	cgctacgcc	cacctagtgg	ccagtcccag	agccgcatgg	cagacagctt	1020
aaatgacttc	aggagagccc	tgggcctgtg	ctggctgtct	cttccctgcc	accgctgctg	1080
cttctgactt	tgctctgttc	ctgcctggtg	tggagggtct	tgtctgttgc	tgaggaccaa	1140
ggaggagaag	agacctttgc	tgcccatca	tgggggctgg	ggttgtcacc	tggaacgggg	1200
gcagccgtgg	aggccaccgt	taccaactga	agctgggggc	ctgggtccta	ccctgtctgg	1260
tcatgacccc	attaggtatg	gagagctggg	aggaggcatt	gtcacttccc	accaggatgc	1320
aggacttggg	gttgaggtag	gtcatggcct	cttgctggca	atgggggtggg	aggagtaccc	1380
ccaagtcctc	tcactcctcc	agcctggaat	gtgaagtgc	tccccaacct	ctttggccat	1440
ggcaggcacc	ttttggactg	ggctgccact	gcttgggcag	agtaaaaggt	gccaggagga	1500
gcatgggtgt	ggaagtccctg	tcagccaaga	aataaaagtt	tacctcagag	ctgcaaaaaa	1560
aaaa						1564

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<210> 4778
<211> 1932
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1933)...(928)
<223> similar to gi587531 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	4778						
tcagattcaa	cagccccag	cagcagccac	tgtggcctcg	caggcggtgc	ttccaaggct		60
gtgaggcatc	acgaagctcc	cggaggcttt	ggccacttgc	ctatggaggc	gcctagggga		120
ggtggggagg	ggacctaaagc	ccccactttt	gtctacccag	atgctgcctt	catttagatg		180
tatcctgttg	ttcagaagcc	cccactggcc	ccaaccgcac	ctgccccggc	tcatgcctcc		240
ctgcgtctga	gagggcagtg	gtcacaggct	gtgggctctc	gcattcttga	aatgaattta		300
ttgttcactt	ttgcacacgc	gtgttgtagg	acagggcagg	tcccagcctg	gggcctgctc		360
ccccaactgc	aacatttccc	caagccccc	aaatgggccg	aaaggggaac	atgggcgtgt		420
ctttccacat	taagtagcag	gagattcccc	tgagtaaaag	gcattttctt	aagtaggacg		480
tgtccaggct	ccagcagcag	tccctgggggt	gggggttgtg	ggccttcagg	ccagggcact		540
gcccagtgct	toggagaagc	cacctgggtg	tccaggtgct	gctggctgag	gctcctgcag		600
ctcaggctgg	gcctctttcc	aggccagaga	cttctccaat	ttggttttaa	aaagcaatcc		660
gtgacctggg	cagtctgcag	tctcttttga	ggctcgcttc	ttgcagcagc	cgcggcacag		720
gctgaacaca	catctgttgc	cctttgggtt	tccacactgg	tcacactttg	catatttttg		780

```

cttcagagag ggggtcgaagg tcttgtgggg gttcctcagc tgcttctttt gcttgttctt 840
ggacaggacc tccgtgccac cctcctcttc ctccagggcc cgcttgctgc gcgcacctgc 900
cttctccttg cccccctccc tgggccccgg ccgatgtag ggctggcaga tccagtggaa 960
gggcaagtcg ccggtgggct tcgctccctc ctgcctggat atctcctcct gacaccgcag 1020
cttcagctcc tgggtcacag cagcgatgcc ctccagggtc ttcaccttgg ccagctcctc 1080
tcgcagctcc tgggtcacct gcagcgtgtg gtgccacagc ttgaagaggt gggccccggac 1140
gtaggacagg gggcaggggt gctcccgcac gatgtccaga tactcctcgg ccagctccca 1200
cacggcaggg ctccggccct cgaacagggc ggggttgtgc aggttgccct ctgcgctcat 1260
gacgccctgc acaccctgtg cccggaggca gcgtccacg tcctgcaggc actggatgtt 1320
cccgttagca aacacaggga tggccacagc cttccgcaca gccttgatat gctcccagga 1380
cgctgcaccc gacagggggc ccttctgctc cttggtgctg ccgtgcaccg tcagcaactg 1440
gcagccggcc ttctccagca tctgggcgta cctcacggtc ttgtcaatct ccgggaagac 1500
acggattttg cacgtgacag gaacagagag tttctcgttg gccagcaaaa tcattctttg 1560
gagcaggtcc cactcgtcct gcagaaaggc gccatagtga cctctcttgg ctatcatctg 1620
tgggcagccc aagttcaggt caatggcgct acagtaatcc tgagccagga gagccgcctg 1680
aacaacaccc tccgggtcat tggcacagaa ctgcacgatg agggggccgg cctcggggca 1740
cacctcgcag tacaggttct cttccggta gttggcgctg cggacaaaga cctgggcatg 1800
cagcatgggc gtgtagcaga gctgtgcccc gtggcgccgg ctcagcagcc tccaggccag 1860
ctcgtctctg tccaccatgg gggccacgac gtggcgggcc cctcgcaggg tgcggtcca 1920
gaactcgaag cc 1932

```

```

<210> 4779
<211> 971
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (973)...(848)
<223> similar to gi5804910 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4779
tttttgcaaa gtttattgga aaatcaaaat ttttttatta atttactgga tttcctatac 60
ctaacaatcc ttaaaacaac tatcaacacc tgcaacacaa accacaggca aaatgaaaaa 120
cagatgcccc agacagcacc caccacatt ggcaacact aattaaggaa caaaatctta 180
caggtgctg acataactcg ctttaagcat gcaatgattc ctgcagtgt ccttggaat 240
caacctctct gcaccctggg gctggatact tcaaagtct ttgttctctt aaacaggttg 300
gaagtcaaca tgggcaagtt aaggacaagt taggatgagg atccccctag gttcataacg 360
tggagtctct ccttggctcc tccaatggtc atccaccaag gtacaggggc caatccccct 420
attaagagat gggcttaaag catcccaat gggggaaaca ggctgccc ggccacatgg 480
gcagattcta tatatttcca agtccccgca ggccacaaga ctggaaagcc atagagaatt 540
ggacagctca agcctcacct gaacaatgtg ttgaaagggg atctctcagg acagacactt 600
tgatttcata agttggccca ttttggccca aatataccaa atagagatgt catgtaatgt 660
cactgcaaat ccagtacaag atactaagag tacccgagaa cctgggggtt tctttcggcc 720
atccagaagg tgaggtcagc caggaggggtg cccattgctc tctgaccaac tgatctgcca 780
gaggaaaagc tgttcagtat ccaagatgca tcagggtcaa tcccaggggt tcctagttct 840
ccttctgtgc ctgctgtaac ctcttggcca cagcagtgat cagtgtgtgc ccttttccac 900
tgccatcttc tgacagcatg aatgtcacat cacatcgagg ggctagttcc ttcacagttt 960
cctgcaatat t 971

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<210> 4780
 <211> 1480
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (26)...(738)
 <223> similar to gi3878000 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4780

cctagaggtc	accaagaatg	aaatcctgca	gagtgttttc	tttgtctctc	cagttagcaa	60
cggtgtgcttc	ttcgccaagt	gtccatacat	gtgcaagacg	gagtatgctg	tctgtggcaa	120
accacacctg	ctggagggtt	ccctctctgc	cttcctgccg	tccctcaacc	tggccccag	180
gctgtctgtg	cccaacccct	ggatccgctc	ctacacactg	gcaggaaaag	aggagtggga	240
ggtcaatccc	ctttactgtg	acacagtga	acagatctac	ccgtacaaca	acagccagcg	300
gctcctcaat	gtcatcgaca	tggccatctt	cgacttcttg	ataggggaata	tggaccggca	360
ccattatgag	atgttcacca	agttcgggga	tgatgggttc	cttattcacc	ttgacaacgc	420
cagagggttc	ggacgacact	cccatgatga	aatctccatc	ctctcgctc	tctcccagtg	480
ctgcatgata	aaaaagaaaa	cacttttgca	cctgcagctg	ctggcccaag	ctgactacag	540
actcagcgat	gtgatgagag	aatcactgct	ggaagaccag	ctcagccctg	tcctcactga	600
acccacctc	cttgccctgg	atcgaaggct	ccaaaccatc	ctaaggacag	tggaggggtg	660
catagtggcc	catggacagc	agagtgtcat	agtcgacggc	ccagtggaac	agtcggcccc	720
agactctggc	caggctaact	tgacaagcta	agggctggca	gagtccagtt	tcagaaaata	780
cgcttgagc	cagagcagtc	gactcgagtg	ccgaccctgc	gtcctcactc	ccacctgtta	840
ctgctgggag	tcaagtcagc	taggaaggaa	gcaggacatt	ttctcaaaca	gcaagtgggg	900
cccatggaac	tgaatcttta	ctccttggtg	caccgcttct	gtcgtgcgtt	gccttgctcc	960
gtttttccca	aaaagcactg	gcttcatcaa	ggccaccgac	gatctcctga	gtgcactggg	1020
aaatctgggt	ataggtcagg	cttggcagcc	ttgatcccag	gagagtacta	atggtaacaa	1080
gtcaaataaa	aggacatcaa	gtggatacct	gacttctcag	gaccttatt	ctagctacaa	1140
gtcaaagata	actcctggtc	cagacaaaac	acctggccta	tcacaagctg	actaaaaatc	1200
tgcacttttg	gccagcgag	gcaacagtaa	ctctgacagg	ttcaaattag	acctcacact	1260
ttctactcat	attctagtca	ctggacccat	ctgaatcagt	aatccctact	gcccggtcct	1320
ggagtaactt	cttagagata	ttataacaag	tggcaaaaat	aaaagaggga	tttgctaaga	1380
atatcagaaa	aggagtgttc	caatttgaag	agtattacaa	ttgaaataac	atcaaatatg	1440
tcacactaag	cagccagtaa	cagaataaat	aattacaacg			1480

<210> 4781
 <211> 3205
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (3)...(2215)

<223> similar to gi4589682 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4781

cttcaagacc	gagctgccac	ggccgcctcc	ccgccccccc	cccattctac	gcgcctgccc	60
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atccagtttc	ctacattcca	gcagccctct	gtccccaat	ataatgaact	gactaaaatc	3120
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<210> 4782

<211> 1599

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1288)...(394)

<223> similar to gil208834 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4782

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gcttgcctatg	gaggtggcca	ggaatcggt	gccgccccgc	accaccaacg	tctgcccgc	1560
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<210> 4783
 <211> 1617
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1594)...(1021)
 <223> similar to gil65009 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4783

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<210> 4784
 <211> 2964
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2966)...(2081)
 <223> similar to gi5911961 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters


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[illegible]

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<221> misc feature
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<222> (4)...(734)
 <223> similar to gil487866 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4786

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aatcttctaa aaaataaaat ctggaatcct gcttttttgc tctactagta cctctgtcac 1140
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ttctcatcct cgaaaagggt gaacataaat gcctttaagg agtataatcta aaaataaaca 1260
ttaggatatac taagtttgat gtaattgttt cagggaaggaa aaaagaaaag cattctggaa 1320
tgagcctact tcaagtaatc ttagtttcta aaactaacag ttaataatct caattccagt 1380
atatcacttt aagtagaagg ggatgtccaa gtaatttttg ttttctaact gttgaatcat 1440
aagcttgacc tgccccaga ggcttttttg atgttttttg ctgtgttttg ccatctcttt 1500
acactcctcg acattcagtt taccttaatc ttcacatttt tacaccttgg gaagtggcaa 1560
gcatcgctgg gtttaagata aaggagtcac aaaaactaat caaaataaaa tttgcattat 1620
gacaactttt aatacacttt agcattttat ttgattg 1657

```

<210> 4787
 <211> 1909
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (52)...(695)
 <223> similar to gi464039 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4787

```

gatgaccctg attacgctca gcttggcacg aggtggcacg agggcgacgc ggacagcatc 60

```

```

agcctcgagc tgcgcaagcc cgacggcacc ctcgtctcct tcaccgccga cttcaagaag 120
gatgtgaagg tcttccgggc cctgatacctg ggggagctgg agaaggggca gagtcagttc 180
caggccctct gctttgtcac ccagctgcag cacaatgaga tcatccccag tgaggccatg 240
gccaaagctcc ggcagaaaaa tccccgggca gtgcggcagg cggaggagggt tcgggggtctg 300
gagcatctgc acatggatgt cgctgtcaac ttcagccagg gggccctgct gagcccccat 360
ctccacaacg tgtgtgccga ggccgtggat gccatctaca cccgccagga ggatgtccgg 420
ttctggctgg agcaagggtg ggacagttct gtgttcgagg ctctgcccaa ggctcagag 480
caggcggagc tgcctcgctg caggcagggtg ggggaccgag ggaagccctg cgtctgccac 540
tatggcctga gcctggcctg gtacccctgc atgctcaagt actgccacag ccgcgaccgg 600
cccacgccct acaagtgtgg catccgcagc tgccagaaga gctacagctt cgacttctac 660
gtgccccaga ggcagctgtg tctctgggat gaggatccct acccaggcta ggggtgggagc 720
aacctggcgg gtggctgctc tggggccact gctcttcacc agccactaga gggggtggca 780
acccccacct gaggccttat ttccctccct cccactccc ctggccctag agcctgggcc 840
cctctggccc catctcacat gactgtgaag ggggtgtggc atggcagggg gtctcatgaa 900
ggcacccccca ttccaccct gtgccttcct tgcgggcaga gagggagaga agggctcccc 960
agatctacac ccctccctcc tgcattctcc ctggagtgtt cacttgcaag ctgccaaaac 1020
atgatggcct ctggttggtt tgttgaactc cttgaacgtt tagaccctaa aaggagtcta 1080
tacctggaca cccacctccc cagacacaac tcccttcccc atgcacacat ctggaaggag 1140
ctggccccctc agtcccttcc tactcccaa caaggggctc actatcccca aagaaggagc 1200
tgttggggac ccacgacgca gcccctgtac tggattacag catattctca tctctggccc 1260
cgaggctgcc tgtggggcga gtggagacct cccatcactg agacagatca cagaccacga 1320
gtgcctttcc cggacctgga cgttgcctcc agagcaggca ccagctcttt ccctctctac 1380
acagaaatat ttttgtaagg ttctggggca gggaggaggc atgaagtacg aggaaaactt 1440
gaattccaga tttttagtgc aaagtattta tcatttctac cagaaataaa cgttttaagt 1500
ttttacttga ctaatgagac ccagagtttg gagaaaactt ttggccaatg ctgccacctg 1560
atgtcagaaa gtgtccccac accctagcag tggcctatct tggacaaga acttcgaaag 1620
cacctactgt gtgctcagcc atttgaggaa ggaaggagga gaaggaagat gttactaggg 1680
aaggatgaga taaaacttct gcacccaaga caatgagaca gacatagctg caaccgtagt 1740
aagccagtca gaaatagcca gcgcgaaggc aagagatggg gtggagattg gaaccccgct 1800
tcagatctgg gctcggctac ttacctgctg tgcagccatg ggtcaagttg cttgacctct 1860
ctgtgcctcc actcccttag ctataaaatg agcttactta aaaaaaaaaa 1909

```

<210> 4788

<211> 682

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(303)

<223> similar to gil628579 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4788

```

atttgccatt tctctatggg ttggaattgg agctcaaata tctcctccac ttcctgagag 60
aacattgcca ttgcaccttg atatccaagg ctgtaacagc acctacaatg agacaaattt 120
gatgacaacc acagaaatgc catttactac tagtgttttt caaatatata atgttcaaag 180
gactccactg atggataact ggtattcttt atcatatctg tacttcagca ctggttgaac 240
tttggttaaca ttattagtgg ggatacttgt cagtttatca acaggaggaa gaaaacagaa 300
cttagacccc agatatatac taaccaaaga ggacttttta tccaattttg atatttttaa 360

```


<210> 4790
 <211> 687
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2)...(83)
 <223> similar to gi3329384 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4790
 ccgggacaca cttcggcgag tgcttaacct acctcccaac accattatgg aatataaaac 60
 tcacaccgac agcatcaagg cctgggagga gtttcatggc ctggtgaaca gcagcggccg 120
 ctgatcggac gctccccctc tgtctctcac actcagggga caattcaagc tttcgaaata 180
 caaaaatcac attgtgagag tacacaagct ggcaataatc cttttctgta tgtgtgtgtt 240
 tgtccgaaat ggatgggagg cctccagcca gtccttccat tgctcactga agggacgtcc 300
 ctgagccgtg cgctctcctt ttgcactcat tcctggagga cggattccgc tagacaccct 360
 ccagcatcgc tgactttata aagcggaaaa acggaaaacg tgactttgta atagacaaac 420
 attgtttttt aatgggggttc catggggggg cgttcagcct ttctgtttgc tgtgtgctgt 480
 ccagatgcct cttgggcgtc ctgttgttct cttcccggtg tgtacgaagg gtaccgtggc 540
 cacgtgtaca tgccagagct gttgatgaga gttaccagta ttatgaatgt ctgtgcatcc 600
 aggaaaagtg ttctgttgga gagtcccaaa atagctgtaa atgctctctt ctagctctgc 660
 cattaatta ttgggacatt ttgtttc 687

<210> 4791
 <211> 659
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (229)...(534)
 <223> similar to gi2076891 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4791
 acacattctt atatcagcat caagactaca taacagtgag gtgggttttt ttgtagagaa 60
 catacagaaa tttggagaaa ggatcatcaa gtattgacaa agtcagaaac ttagtactgc 120
 taaggaaatt tatttttttg tcaacttaata tgatactaata aacttgttta aaatctagtt 180
 aactactgca ttataattta ttatattcta ttacagggc ttattattt caaaaatggt 240
 gtgctagtgg gatccctaca ggatcgctat gttccttata actctgcccg cattgaaatg 300
 tgtaaaacag ctttaaagga caaacagtca ggacagatct attcagaaat gatccacaac 360
 ttgcttcgac cgttcttgca aagcaaggac tgtaatttgg ttcgctataa tgatcatcaat 420
 gcattgcca atacagctga ttactcatt gggagagctg cacatatagc tgttcttgat 480
 tcggaaatat ttttagagaa attctttctg gttgctgccc tcaaatattt ccaatagtat 540

```

aaaagcattg ttagcgactg gacaattacc tcattcaaca atgtttcaaa taatgtatta 600
tattaaaatg tatgtatgct gataagttct aagaaatatt tatacctttt tatatggaa 659

```

```

<210> 4792
<211> 1455
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (266)...(617)
<223> similar to gi687883 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

004037E 01400
<400> 4792
ggacaggatg ctgggggact cggggtaggg agaagactg ggttcctgcc cttgtgtccc 60
catctgcgct gcctgcccct caggtctggt gacagcaggc agttaggctg acagctgcca 120
ggcgtggtgt cacagcactg gccggggggc ctgtgcaggg agaggatgag ggtgggggtg 180
gctcgggtgt ggcaattggc tccctgggat gtcgggagct gagcttttca tgctgcccac 240
ggtcccctcc tgtgcctctc cccagatcat cagggtgct gccgacaggg acagggagac 300
tgtgcgggcg aaatccatag agatgaagtt cctcaccggc tacgagggtca aggtcatgga 360
agacgcccac ttggatgcca tctcatcctt gggggaggcc ttcgcctctg atgagccttt 420
tgattttggc actcagagca ccaccgagaa gatccacaac ctgattcccg tcatgctgag 480
gcaccgtctc gtccccccac ccgaggaaaac ctactccttg cacaggaaga tgggggggctc 540
cttcctcatc tgctccaagc tgaaggcccg ctccccctgc aaggccatgt tcgaggaggc 600
ctacagcaac tactgcaaga ggcaggccca gcagtagggc tgcggggccac gcccaggccg 660
gctccgcggg aactctctcc ctacagacagg ccaaaaacca gtagcgaggc cgtggtgatg 720
ctctttttta ctccttttgc caataagggg ggtggctgcc tggagccccg tagccagcgc 780
tttccacggg ttctgttgct aaatggttgt agggtgagaa gtgcaagaat gaagatgaag 840
ccccactgct cggtcagtct gcctccgtgt gtcctctgaa ataagcagat gaagatgaaa 900
gggcaacttt gttttcttct ttttcttgat gtgaatgtta agcagaaggg agagagtcct 960
tactcccttc caatctctgt tcagtcaaaa acccagaaaac atgaacagat acgattgtgg 1020
gattttttat atctgtgtag taggtgtgtg tatgtgtttc tagagtgaga tttgtgtttt 1080
ctgccctttt cctctccagc cgatgggctg gagctgggag aggtgctgag ctaacagtgc 1140
caacaagtgc tccttaagcc tgcgaggccc aggcctgtgg ggctggttct cacctttgac 1200
agctgaatgt tcctaaagaa ctgctgcccc acagtgaggg tgggagcagc ggaacaggga 1260
atgccagaca caggtcgtct gctgctggaa ggcgggggtg gacttccttc ctctgtccgg 1320
agaggcacag gtgtcaccag ttccagccaa aggtcctca caggcgtgt gaatttttgt 1380
acaagtcttg taattatcga atcaacaact tgcttcaatt taataaaaaat gctcatggga 1440
agtgcaaaaa aaaaaa 1455

```

```

<210> 4793
<211> 1483
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (2)...(1485)
 <223> similar to gi4884132 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4793

gttgacactt	tgtggtgata	tccaactaat	gctggcccag	aatgcaaata	atagagcagc	60
acaccttgaa	gagtttcatt	accaaaca	agaagaccag	gagatcctgc	atagccttca	120
cagagagtcc	agttgccaag	gatttgcatg	ggcaactgat	ttgtctacag	acttagaaag	180
tcaactctct	gttagttgta	aatgttatga	ggctgcta	gaaatcttgc	agtttaggga	240
cttgaaaagc	caaaatccag	aacactatgt	acaagtatta	aagagaatgg	gtaacattag	300
aaatgaaatt	ggtgtgtttt	acatgaatca	ggctgtgtgca	ttacagagt	agagactagt	360
gagcaaatct	gtgtctgtctg	ccgagcaaca	gttgtggaaa	aaaagctttt	cttgttttga	420
aaagggaatt	cacaactttg	aatcaattga	ggatgccacc	aatgccgccc	ttttattatg	480
taacacggga	aggctcatgc	ggatttgtgc	gcaggccccc	tgtggtgcag	gggatgaact	540
gaaacgtgaa	ttttcaccag	agaaggctt	gtattataat	aaggctattg	attactat	600
gaaagcgcta	aggctcattg	gaacacgaga	catacaccca	gctgtttggg	attcagtga	660
ctgggaattg	tccactactt	actttactat	ggcaactcta	cagcaagatt	atgctccgtt	720
atctagaaaa	gctcaggagc	agattgagaa	agaagtcagt	gaggccatga	tgaagtcctt	780
aaaatactgc	gatgtggatt	cagtgtctgc	tcgacagccc	ctttgtcagt	atcgagctgc	840
aaccatccat	cacaggettg	cctccatgta	ccacagctgt	ctgaggaatc	agggttggtga	900
tgaacacctt	aggaaacaac	accgggtgct	ggcagatctt	cattacagca	aggccgcaaa	960
gctgtttcag	ctgctgaaag	atgctccctg	cgaactgctt	agagtacagc	tagagagagt	1020
agcatttgct	gaatttcaga	tgaccagtca	gaatagcaat	gttggaaagt	tgaaaacact	1080
atctggggct	cttgatataa	tggtgagaac	tgagcacgca	ttccagctta	tccagaagga	1140
gcttatagaa	gaatttggcc	agcctaagag	tggtgacgcc	gctgcagctg	ctgatgcttc	1200
tcctagtctc	aatcgagaag	aagtgatgaa	actcctcagt	atatttgagt	ctcggttgtc	1260
atctcttctc	cttcagtcca	ttaaactgct	atcttcaact	aaaaagaaaa	caagcaataa	1320
catcgaagat	gacacaattc	tcaaaaccaa	caagcacatt	tactcccagc	ttttgagagc	1380
aactgcaaat	aaaaccgcga	ctcttctgga	aagaatcaac	gttatcgctc	acctgctggg	1440
ccagcttgcc	gccggcagtg	cagcgagcag	caatgccgtt	cag		1483

<210> 4794
 <211> 1431
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (73)...(577)
 <223> similar to gi3806122 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4794

tgatacgcca	gcttgacaga	gggtgcggcc	caggacgctc	ttcctaactc	aggctctccc	60
cgccccgccc	ctgcagtgca	agtcttggtg	gatggagctc	cggtgcgcac	tgagctctgg	120

[illegible]

<211> 585

<213> Homo sapiens

<221> misc feature

```
<223> similar to gi806296 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters
```

3427

<210> 4796
 <211> 2061
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (161)...(1451)
 <223> similar to gi289760 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4796

ctcggaccca	cagagccggc	ccctgctgct	gctcgggcag	ctgcaccacc	tgcaccgcgt	60
gccctggagc	cacgtccgcg	ggaagctgca	gccccgggtc	accgaggagc	tctggcaggc	120
tgccctgagc	acgtcaacc	ccaacccac	ggacagctgt	cccctctacc	tgaactacgc	180
caccgtggct	gccctgccct	gcagggtgag	ccggcacaac	agccccctcg	ccgcccactt	240
catcacgcgg	ctggtgcgga	cctgcctgcc	gccccggagc	catcgctgca	ttgtgatggt	300
ctgcgagcag	ccggaggtct	ttgcttccgc	ctgtgccctg	gccccggcct	tcccgtgttt	360
cacccaccgc	tcaggtgcct	ctcggcgctt	ggagaagaag	acggtcaccg	tggagttttt	420
cctggtggga	caagacaacg	ggccgggtgga	ggtgtccaca	ttgcagtgtc	tagcgaatgc	480
cacagacggc	gtgcggctag	cagcccgcac	cgtggacaca	ccctgcaatg	agatgaacac	540
cgacaccttc	ctcgaggaga	ttaacaaagt	tggaaaggag	ctggggatca	tcccaaccat	600
catccgggat	gaggaactga	agacgagagg	atttgaggga	atctatgggg	ttggcaaagc	660
cgccctgcat	ccccagccc	tggccgtcct	cagccacacc	ccagatggag	ccacgcagac	720
catgccttgg	gtgggcaaag	gcatcgtcta	tgacactgga	ggcctcagca	tcaaagggaa	780
gactaccatg	ccggggatga	agcgagactg	cgggggtgct	gcggccgtcc	tgggggcctt	840
cagagccgca	atcaagcagg	gtttcaaaga	caacctccac	gctgtgttct	gcttggctga	900
gaactcgggtg	gggccccaatg	cgacaaggcc	agatgacatc	cacctgctgt	actcagggaa	960
gacggtggaa	atcaacaaca	cggatgccga	gggcaggctg	gtgctggcag	atggcgtgtc	1020
ctatgtttgc	aaggacctgg	gggcccacat	catcctggac	atggccaccc	tgaccggggc	1080
tcagggcatt	gccacaggga	agtaccacgc	cgcggtgtct	accaacagcg	ctgagtggga	1140
ggccgcctgt	gtgaaggcgg	gcaggaagtg	tggggacctg	gtgcacccgc	tgggtctactg	1200
ccccgagctg	cacttcagcg	agttcacctc	agctgtggcg	gacatgaaga	actcagtggc	1260
ggaccgagac	aacagcccca	gctcctgtgc	tggcctcttc	atcgctcac	acatcggtct	1320
cgactggccc	ggagtctggg	tccacctgga	cattgtctga	ccggtgcatg	ctggtgagcg	1380
agccacaggc	ttcgggtgtg	ccctcctgct	ggcgctcttc	ggccgtgcct	ctgaggaccc	1440
tctgtctgaac	ctggtgtccc	cactgggctg	tgaggtggat	gtcgaggagg	gggacgtggg	1500
gagggactcc	aagagacgca	ggcttgtgtg	agcctcctgc	ctcggccctg	acaaacgggg	1560
atcttttacc	tcacttttgc	ctgattaatt	ttaagcaatt	gaaagattgc	ccttcatatg	1620
ggttttgggt	tgtctttctg	gtcgtcagcg	tgggtggtgga	aacagctgaa	gttttaggag	1680
acagcttagg	gtttggtgcg	ggccacgggg	aggggaccgg	gaagcgctgg	ggcttgtttc	1740
tgtttgttac	ttacaggact	gagacatctt	ctgtaaactg	ctacccctgg	ggccttctgc	1800
accccggggt	gaggcctcct	gcctgcctgg	tgcctgttcc	cagccccagg	tcctgtgcag	1860
ggcacctgcg	tggctgacag	ccaggctcct	actccagccg	gggctgccag	cgcatccagc	1920
cagcccagcc	ctgtgaaaga	tggagctgac	ttgtgcaggg	ggacctgatt	tatagggcaa	1980
gagaagtac	actccggcct	ctcagaattc	acttgaggtt	caattaaata	cagtacacc	2040
gccccctcaa	aaaaaaaaa	a				2061

<210> 4797
 <211> 1990

<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc feature
 <222> (1993)...(1530)
 <223> similar to gil213639 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4797

tttttttttt	ttccaggtgt	ggattttttat	tttcacaaaa	agacaacaat	gtcttcccca	60
catacaagta	tttacaaaa	ccaactgatt	caccatctta	gaacctgggt	ttttttccac	120
ttctcaacat	agttgggaac	atggaaacat	taatacccac	acaattccca	gagatggaat	180
ttatccatca	aacaaacagt	gcagattacc	taaaagtgc	cttacctgca	caactcggtc	240
taagaacctt	gtgaaacaaa	cctcatggcc	aagggtttcat	gaatctat	ggtttcatac	300
catgcaaacc	tgaacaagt	tgctgctaca	ctaaactgaa	aatcggttct	cattttacaa	360
ttaaaaaggt	tctcaacact	ttagcaacta	tacagaatat	gaagggttat	ttcaaaaaag	420
attacatttt	tttaaaccag	gatacacaga	tgactttaat	gtaacagtac	cttctgcaaa	480
aataggttac	ataatactca	gaaatgcaat	gaacaatctt	attctctaaa	aattagacag	540
ctaagacttc	ttaagtgtag	acagccttca	aaatggaggc	tgaaaatgct	tggtaaaaag	600
aagtaactct	agagccagac	accacagagc	taaggctgca	aattaaacca	ctaccacaca	660
gctgcaaact	actctttata	ttcacacagc	gttaaacaaa	acgacttcaa	ttccatcttt	720
tcaaagtgc	ctcgggtgct	caagaaaaaa	agttgaatga	tacacaaaac	tattaaaagt	780
tacaacagaa	ctattttaa	atcttctcca	aaattgagaa	aagcaatcat	gttaaat	840
taaaaagaaa	agtctgacag	aactctcaag	caagtcagag	gtcctcttca	taagtagtca	900
agtaaagt	acaggagatt	tcaataaatt	atctttaa	cttggcagag	agctcatt	960
cagaatcg	gcggagggtc	acccttaa	ggcttaa	cggagccact	tcctctggc	1020
atggaattgc	cactgatttg	tacaattcta	ttaattggg	atgcgttact	tgaatgttg	1080
gttatcatgc	ctgctcctgc	ccggccgtca	ccattcgcc	tcgtatcatg	atagctagc	1140
ccttgagagg	gtggaccatg	ccactctt	cttgggtccg	ttgtgtcccg	tccatggcg	1200
tcaaccacat	gtcgtctctc	aggatagtg	tgtgatccac	ctcctcggtc	tgtgatgact	1260
cctctgtctc	cctctctgct	cccgtacccc	gaagcgctgc	tacgattccc	agggggagcg	1320
cctctcacac	tgtgccctga	tacttctctc	ccagatcg	ctggcctt	aactcttgt	1380
tcccgttgt	cagtggacat	gcttccttca	cttttccagc	tgggtgggtct	ggaaggattg	1440
ggccctgcct	ctcgaggatg	tctaggatga	gtgatatcag	gcctgtcatg	aataatcacc	1500
gttctccttt	cgtctcgctc	ccctcg	tctcgctgt	ctgattctct	aagttcatt	1560
cttgggtggtg	gaggctcatt	tcttctggag	tcactgaaat	tttgggata	tctttcgaag	1620
cttggatctt	cccttcgtgc	agtaggtcgt	gcttttttcc	cctcactttg	accaacaaag	1680
cgatcccgcc	tttcaaaaga	tgaagactgt	actgctgaac	tctcaggaaa	cctgcccctc	1740
tctcggatgat	caaagtcatt	aaatctgttc	tgttggcgag	agtagtcgga	tccatggcca	1800
aatcgtgcat	ctgtatctag	agacaacttt	ttattctcgc	tccagtaagg	atcatctcgc	1860
ctatgatcta	catcacgtgg	gcgtttcaag	gaattccttt	tttcttggtc	ataacgaagc	1920
tgctgttggt	gccttctgag	ttcctctctt	tctcgagcaa	tccgttcagc	ttccttacga	1980
cgttcctggt						1990

<210> 4798
 <211> 2963
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1638)
 <223> similar to gi4378020 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4798

caggaaatga	aagggattgg	gacacccct	aacactaccc	ctatcaaaaa	tggtctcca	60
gaaattaagc	tgaaaatcac	caaaacatac	atgaatggga	agcctctctt	tgaatcttcc	120
atttgtggtg	acagtgtctg	tgatgtgtct	cagtcagaag	aaaatggaca	aaaaccagaa	180
aacaaggcga	gaaggaacag	gaagaggagc	ataaaatag	actccttgct	ggagcagggc	240
cttgtcgaag	cagctcttgt	gtctaagatc	tcaagtcctt	cagataaaaa	gattccagct	300
aagaaagagt	cttgtccaaa	cactggaaga	gacaaagacc	acctgttgaa	atacaacggt	360
ggtgatttgg	tgtggtccaa	agtgtcgggt	tacccttggg	ggccttgcat	ggtttctgca	420
gatccactcc	ttcacagcta	taccaaactt	aaaggtcaga	aaaagagtgc	acgccagtat	480
cacgtacagt	tctttggtga	cgccccagaa	agagcttgga	tatttgagaa	gagcctcgta	540
gcttttgaag	gagaaggaca	gtttgaaaaa	ttatgccagg	aaagtgccaa	gcaggcaccc	600
acgaaagctg	agaaaattaa	gctattgaaa	ccaatttcag	ggaaattgag	ggcccagtgg	660
gaaatgggca	ttgttcaagc	agaagaagct	gcaagcatgt	cagtggagga	gcggaaagcc	720
aagttcacct	ttctctatgt	gggggaccag	cttcatctca	accctcaagt	agccaaggag	780
gctggcattg	ctgcagagtc	tttgggagaa	atggcagaat	cctcaggagt	cagtgaagaa	840
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gccaaactgt	gtagctctgc	agagaccctg	gagagtcacc	ccgacatagg	gaagagtact	960
cctcaaaaga	cggcagaggc	tgaccccaga	agaggagtag	ggtctcctcc	tgggaggaag	1020
aagaccacag	tctccatgcc	acgaagcagg	aaggagatg	cagcatccca	gtttttggtc	1080
ttctgtcaaa	aacacaggga	tgaggtggta	gctgagcacc	cagatgcttc	aggtgaggag	1140
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gggaaaaaaa	gaaaccacac	aaagaggata	caggacccta	cagaagatgc	tgaagctgag	1320
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gcttccacgg	cagcatcttc	agctcttggg	tttagcaaaa	gttcatctcc	ttctgcatcc	1560
ttaactgaga	atgagctttt	gtgggagccc	acaccagtca	agttggattt	gaaccagct	1620
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aggtaaagata	actaatcaag	gccatttaat	ccgtcacatt	catctcataa	tagaaacacg	1860
ttcatattcc	agtggccaat	gtagatttca	agttgaaagg	cagtcccttt	agttgggggc	1920
tgtccagagc	tgcagcaggg	ctttgcacgg	aagggtgggc	cctgttagag	ttgcttctcc	1980
tctagtttgt	aacttactgg	acttttgtgg	aaaatatcag	cgctcgctacc	ctcagaaaca	2040
aactaacagc	acacgttagg	aggagtcctc	atcagctgtt	ctcattgcc	gtgagatata	2100
ttcagtattg	tagatactac	actaatttcc	aacataagag	gcaggaagag	ttttgattct	2160
atcctttttt	actaaacagt	tttattatga	cactagatac	agtaaatttt	tagaaaaaaa	2220
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gggatactgt	aatcagggtta	tgtacaccaa	cctctgcata	agttgcttct	atagagcatc	2340
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cgcatttttg	catggtaagg	agaaggctta	cttgcccttc	agctcataaa	agcagaaggt	2460
gtgctattca	cagtaccatg	cgagtagccc	acagttaatt	cccggcagat	tctttggctg	2520
tgttttatct	ttaatgaacg	tttctgacta	atattttgtt	gtaaaccatt	aagtaatgta	2580
acgcatgtaa	gatgcttagg	gtgcctggcc	aggactccgt	ggtttcctgt	tgtgacagta	2640
ataatggtta	taataataaa	aatgataaaa	ttgccatcat	tctattttta	tccaaaagta	2700
taaattttgc	tttggcatga	aaagtggtcc	tcttgactgc	attatgcatg	cgaggatgaa	2760
ataaacctag	aagtggcaga	acactggatt	tgtgtgtgtg	gcgcttagg	gtgctggact	2820

gtatggctga	gggctggttg	ggttcctcta	ttggctctgc	tcaaagtgtg	caggatacat	2880
agccccaag	atggtctagg	agcaatctaa	gctgtgttac	tccaaaggac	atgaaaaagc	2940
tcaagagtaa	aattaaaatt	ctc				2963

<210> 4799
 <211> 1588
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc feature
 <222> (1591)...(537)
 <223> similar to gi3249085 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4799						
tttttttttt	ttgcagaacc	ttgaaataaa	acatgtttta	cagtaagttc	acacacaggc	60
ttaatgcaaa	ccagagtaat	gcacagatga	ttgccaagac	catattgaca	aattgtgatt	120
agattataac	gcatagtagc	ctgccttaca	ttcagcaagt	tcaaacagga	cacaaaacca	180
gtcaactgaa	cacagagcag	ctctcttcag	aagcacttcc	aatgagtgat	gcagagattt	240
caaaaataca	aagcaggcaa	cttatataca	gcaaactctc	acactgcctg	gacatgtgcc	300
acttttttgt	tgtttttaat	atatttttcc	ttcctggttg	ctaattttaga	ctgaattctt	360
aaggatttat	cttgatgact	tagaaaaata	cacctgtcct	ttctcacttt	gtttcaggta	420
gtacagtcac	gaaattgagt	aagtctctta	aaaaaatgaa	agtccacaga	tcccattgtg	480
gaaggtttca	ggaacccttc	cccaggtaat	gatcacggga	tcttcaacag	ctcaaggagt	540
gctccaacag	ctccaaaata	accctcgtgt	tccgaaaaaa	gtgctttcaa	ctgccccttg	600
gaccaataat	ccaaagcata	tgccaaaagc	cgcatggcga	tcgtattaat	tctcaagaaa	660
tttccaacaa	ataccacctg	gttaatgttt	tcattaaggg	cacacattct	tgctattgag	720
ccaatgttgt	tggatgatgg	gatcaaagtc	gctctggcca	ggctcctctt	actgacagcc	780
tctcgcttct	ccttgctcat	catgtttcca	aagcttgaag	ccacagccca	gcctggcagt	840
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cagagaccaa	aaaaagttcc	tctccaaga	ctagtacctg	tgaccctgtt	gtaattatct	1020
ttggaatata	ctgctaagat	gctaaccctt	gagccaatgt	tcaccagaag	cagaggatac	1080
ggatttttca	aatcaaattg	taacttctga	cacttttcag	aatcagcagg	gttttcaaag	1140
taatagcact	gtgaccgtcc	attgaatccg	actgagtcaa	tgtataaaat	tcctttgatc	1200
aagcaatcta	gttcatccag	tttgcaaagc	tgaagatcac	ctattgtgag	aaaatcctgc	1260
tcaaatttgt	acgctccacc	tccagtggca	caaaagacag	tgtggagact	cgagaagttt	1320
ttatctctgc	ccatttgaat	aaaagcaggc	atgtcatgag	tgggaaagcg	tataaagtgc	1380
agattgcctt	tgcgtccaca	cagagtcagg	tccttcagct	cgaggtgcac	gtcccgaatg	1440
cctgtagacc	cataagccac	attggaggtc	aggctactcc	gaatgctttt	aagactttcc	1500
acttcttcct	cttcttcttc	agcagtgtatg	tctttgggtt	caaaatatac	cagcttgacc	1560
agagttccac	cgatatccag	tccaaacc				1588

<210> 4800
 <211> 58

<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (18)...(37)
 <223> similar to gi5262860 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4800
 ttttaagcaag gtcattgccct ggatttcagg gaggcctttgc aaaaactcaa aaaaaaaa 58

<210> 4801
 <211> 1199
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1200)...(976)
 <223> similar to gi3002527 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4801
 tgccgctagc cgccctgggaa ttttaagggac ccacactacc ttcccgaagt tgaaggcaag 60
 cggtagattgt ttgtagacgg cgctttgtca tgggacctgt gcggttggga atattgcttt 120
 tccttttttt ggccgtgcac gaggccttggg ctgggatgtt gaaggaggag gacgatgaca 180
 cagaacgctt gcccgagcaa tgcgaagtgt gtaagctgct gagcacagag ctacaggcgg 240
 aactgagtcg caccggtcga tctcgagagg tgctggagct ggggcagggt ctggatacag 300
 gcaagaggaa gagacacgtg ccttacagcg ttccagagac aaggctggaa gaggccttag 360
 agaatttatg tgagcggatc ctggactata gtgttcacgc tgagcgcaag ggctcactga 420
 gatatgccaa gggtcagacc ctccgccagg gcaggacccc acttctcaga tacaagatc 480
 tgtatccctt gaggccttcc agagggttatc tgcccatcat ctacacctca tggaaactcac 540
 ccttgaatct ccagtagttg acaaactctga aatggcagaa aggggaaggg aggggtgggg 600
 tggtagctg ggctgatgcc aaattcttaa tctctcaggg tcagagtcag accatggcaa 660
 cactgaaagg cctagtgcag aagggggtga aggtggatct ggggatccct ctggagcttt 720
 gggatgagcc cagcgtggag gtcacatacc tcaagaagca ggtaggataa gtcactgccc 780
 catccaggga ggtgagaagg gaacctgaga ggggagctag gttctagggt ttgactatag 840
 gggatgtcta cccctaagca tggggaaggg ggcagagtga ggactgtgcc attgattaaa 900
 gtgggtccag gagcgggtgg gtgcgggtgg tcacacctgt aatcccagca atttgggagg 960
 ctgaggcagg tggatcacct gaggtcataa gttcgagacc agcctggcca acaaggcaaa 1020
 acccgtctt taataaaaaac acaaaagtta gctgggcgtg gtggtgcacg cctgtgatcc 1080
 cagctacttg ggaggctgag gcaagagaat tgcttgaatc caggaggtgg aggttgccat 1140
 gagccaagat cgcaccattg cactccagcc agggcgacag agcaagactc catcttaaa 1199

<210> 4802
 <211> 869
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (172)...(576)
 <223> similar to gi3880459 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4802
 gctggagaaa cgcggtgcgc ggtcctgcgg tcctggactt ggccccagac agccggcagg 60
 gtcgtggcca gaacgccggc cgggaccatc tgcacaggcg ctgcacagct ccaagacgct 120
 gcggccaagc agaaagttga acagaacgcg gctcccagcc acaccaagtt cagcattttac 180
 cctcccatc caggagagga gagctctctg aggtgggcag gaaagaaatt tgaggagatc 240
 ccaattgcac acattaaagc atcccacaac aacacacaga tccaggtagt ctctgctagt 300
 aatgagcccc ttgcctttgc ttctgtggc acagagggat ttcggaatgc caagaagggc 360
 acaggcatcg cagcacagac agcaggcata gccgcagcgg cgagagctaa acaaaagggc 420
 gtgatccaca tccgagttgt ggtgaaaggc ctggggccag gacgcttgct tgccatgcac 480
 ggactgatca tgggcggcct ggaagtgatc tcaatcacag acaacacccc aatcccacac 540
 aacggctgcc gccccaggaa ggctcggaag ctgtgatggg aaggaggcct gcacttggac 600
 ctgacctcaa gcctcagctc cagtgggacc ttgtaaaatg ctccctgtca gagctctcca 660
 gaatatgctt gttggagatc cttcaggcag taaggagagag ttttgcctcc ttacacagtg 720
 gcctttgctt gcacctccag ctggagatgg gtgtgcccc aagtaagct ttgcatctct 780
 tacaagaggg gagctacagg ggcagccgtg gcctaggccc aaactctgct ctgagaaaat 840
 aaatatctgt accacctgta aaaaaaaaaa 869

<210> 4803
 <211> 1628
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1629)...(760)
 <223> similar to gil263110 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4803
 tttttttttt ttacaacaag tccaacacat atgctttatg gttctgtttc aaaaacatga 60
 aaaccaggc ccctaggatt caagtgatgt tgagaggcag aaaggatgga gaagttgttg 120
 gcgccagcat gtggggcaag cagccagacc tcaggccctc actctaggct tcaaggtggc 180
 tgggcttgac ttctggccaa gggctgcttt ttccgcctg cggcccacct gaggccagac 240
 cttgcctgag gaaagggcct gtggtggggg ggggaaagct caggcagaag gaagacgtgg 300

ccaacggcca	tctcctgagg	aggtaattga	gcagctcctg	gttccggcaa	gggcggtggg	360
taaggagcca	ggcccgagga	agtcttaagg	gtccccctctc	cacaagctct	ggtggggccc	420
cctgctcccc	tagccaactg	ggttgctcaa	ctgccttcta	tgctccctcc	tgaagccagc	480
ccctgggaga	gaacatctga	aggcaagaag	gaaagagagc	cctgcctaag	cttcttctctc	540
cctgcttggc	caagtgggag	aagcagctga	ggtcctttgt	gtaactgagg	aagcacggag	600
gagctggaat	gcctaccagc	tcggagaggg	cacttgagag	ggtctatgaa	caaatctgtc	660
taaaagccac	gtttgagcta	aaagcatcag	tccatccctc	agccccagct	ctgtgcgggc	720
caagaatcca	gaaggcagca	agcaaggcct	atctcccaag	cctggagggtg	gttgtggagc	780
tgctctgcct	gagtcctcag	atgctggaat	tctcttgaa	tgaagtccgt	cagggctttc	840
cgcatctcca	cagccgactt	gttctccgcc	cggagccgct	cgagtacagg	cagggcactg	900
aagggcttcc	cgatcagcac	agtgattttc	tgtccaaagc	gggggaagta	gggcggaactg	960
ttaggaagga	cgtcattcat	tccgacatgc	cacaggggca	ggatgatggg	gttgagatga	1020
cactcagcaa	tcaggcgccc	gattccccac	ttgaaacgca	ggaattcgga	actcatgttc	1080
actttccctt	ctgggaagat	atgcacccag	tccccatggt	tgagctttctc	caaaatgaag	1140
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tgctgcctag	tgtctagaac	acctttcccc	tcattctctg	cttggaaaaa	ttctgctcct	1260
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cagatgtctg	cagctgcagg	ggtccaacgc	atcaacttca	ggttccagat	gtggcggagt	1380
ttcaggatcc	cccagagatg	agggtcgtcc	atgcaggact	ggtgattgga	cacggtgatg	1440
aggggcgtgg	ccgggcctcg	cttctcgatg	agctcgtaca	gcacctccct	gttgtgcacg	1500
gtcaggtggg	tcatgtactt	ggtccagaag	cagctgtagg	tgcccaccaa	gcccattgacg	1560
acgctgctgg	ccagggtcca	ggtgagcggc	ggcaccgcgg	ggaacggcca	cttcacgtgc	1620
agaggcat						1628

<210> 4804

<212> DNA

$\langle 220 \rangle$

$$\langle 222 \rangle \quad (133\bar{7}) \dots (615)$$

Run with FASTXY 3.3t00, default parameters

<400> 4804

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cttccaggct	gggactgagc	acaacaccct	ccagcgcgtc	ctggggtcga	ctgaggagcc	1500
gccggctgac	ctggatgggg	tgccgcagcg	cctccagcac	cgtgatgcgg	gacgtctccc	1560
tcactaggga	cggcttcccc	agccgagcct	cgatgaattc	caccgcacg		1609

<210> 4806
 <211> 1450
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (99)...(880)
 <223> similar to gi3859609 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

004275.04100

<400> 4806	
cccagaggag	agcacgggca ggggtgtgctg gcgttgtgag cgggagtgtc agagacagaa 60
aggacaccaa	ggcggggaga gcccaggag catgagcagg cctgtttgcc gagcagagcc 120
tgcaggcctt	gcagcaggag ctggcttggg agtgtgacta ccgtcgtgag gcggcttgtg 180
cccagaattt	caggcagctg ctggcaaattg accccttctt ccgggtccca gccgtgggta 240
aggagctgtg	cacgacacgg gtgctgggca tggagctggc tggaggggtc cccctggacc 300
agtgccaggg	cctaagccag gacctgcgga accagatttg cttccagctc ctgacgtctgt 360
gtctgcggga	gctgtttgag ttccgattca tgcagactga ccccaactgg gccaacttcc 420
tgtatgatgc	ctccagccac caggtgacct tgctggactt tggtgcaagc cgggagtttg 480
ggacagagtt	cacagaccat tacatcgagg tggatgaaggc tgcagctgat ggagacagag 540
actgtgtcct	gcagaagtcc agggacctca aattcctcac aggccttgaa accaaggcat 600
tctccgacgc	ccacgtggag gcagtgatga tcctggggga gcctttcgcc acccagggcc 660
cttatgactt	tgggtcgggg gaaacggccc gccgcataca ggacctcatc ccggtgctgc 720
tgcggcaccg	gctgtgtccc ccacccgagg agacctatgc cctgcaccgc aagctggcag 780
gggctttcct	ggcctgtgcc cacctccgag cccacatcgc ctgcagggac ctcttccagg 840
acacctacca	ccgctactgg gccagtgcgc agccagacgc agccactgcc ggcagcctcc 900
ccaccaaagg	ggactcctgg gtggatccct catgacagcc tccatggggg attcagtccc 960
cagagcaggc	cgtaccctgc tgtagtgcct cttatccctt ccccgctcgc cctgggtcag 1020
aggagcccc	ttgggcttcc cagtcttgcc tggctctcct ccttggccca ggagctcagg 1080
atccctgggg	ctggggaact cccaacttcg tgccctagat cctgcacctc cccactcgaa 1140
agtgggtatc	cgaaaactaa gccagggaag cggttaactt atctttgcca acatttgagg 1200
gagccttggg	ccgctgcatg tcgttatgca gatcagactc atcaggggga gccctcacct 1260
ctgcctcaag	cctcccgtgg aaggcgagat ggtcctggag gcagtcctca cctctgcctc 1320
cctcgctcct	ccaacagctg ccttctcccc ggttccagcc tctcagtgtg ttggaaaggt 1380
aggggtgcgg	ggtggggggg agctgaatct tcaatcgga taaaagcagc cctccccctt 1440
aaaaaaaaa	

<210> 4807
 <211> 668
 <212> DNA

00000000000000000000000000000000

```
<221> misc feature
```

<223> n = a, t, c or g

<221> misc feature

<223> similar to gil200072 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

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acatcacttt	ccagactgtc	tactgtctt	gggaccaggc	atgggaggca	ggggtgggaa	120
tcttcttgtg	attgtgggtg	gtggctggag	gagtggagtg	gtgggaggcg	gctcagtcgc	180
gggcactcct	gcgactggcg	gatgcggtcc	ggatggaata	agccttcagg	agcccaggac	240
ccgcactgct	ggagaagctc	agggcattgc	tgcccatggt	tccccgagg	gtcagcccaa	300
tgccaccgcc	actgctactg	ccaccagtg	aattcatcac	agctgggaga	gaaaagagga	360
gggctctctt	cagcgtgagg	ctccctacca	gggaccccat	cccttcactg	cacccacccc	420
tctgccccg	gctgcccctc	tccctcacc	ctgccccctt	ccatgggcca	accagaagg	480
agcatctgac	aggggtagg	ctgctcccca	ggtgctctctg	gccccaccct	gccctcttgt	540
agtgcctccc	agggcattga	gcctggcagt	atgtgtctcca	ggggacctgt	caatccctgt	600
agaaaggaag	gagtctcctg	gccccctcag	cgaattccac	cacnctgect	agtggtnatc	660
gatctcga						668

<211> 2068

<213> Homo sapiens

<221> misc feature

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<223> similar to gi5052588 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters
```

gagtggcggg	ggcatttgct	ggagactgag	cctggcgcg	aggctatggg	cagccaggag	60
gtgctgggcc	acgcggcccc	gctggcctcc	tccggtctcc	tcctgcagac	taacgtctgt	120
ttactcaacc	accctcttcc	tggccagaga	ggccttcgc	agagcatgtc	tcagtggggg	180
cacccagcga	gactggagcc	agaccctcaa	cctgctgtgg	ctaacagtcc	ccctgggtgt	240
gttttgggcc	ttattcctgg	gctggatctg	gttgacagctg	cttgaagtgc	ctgatcctaa	300
tgttgccct	cactatgcaa	ctggagtggt	gctgtttggt	ctctcggcag	tggtggagct	360
tctaggagag	cccttttggg	tcttggcaca	agcacatatg	tttgtgaagc	tcaaggtgat	420
tgcagagagc	ctgtcggtaa	ttcttaagag	cgttctgaca	gcttttctcg	tgtgtggtt	480

```

gcctcactgg ggattgtaca ttttctcttt ggcccagctt ttctatacca cagttctggt 540
gctctgctat gttattttatt tcacaaagt actgggttcc ccagaatcaa ccaagcttca 600
aactcttcct gtctccagaa taacagatct gttaccaaat attacaagaa atggagcggt 660
tataaaactgg aaagaggcta aactgacttg gagttttttc aaacagtctt tcttgaaaca 720
gatttttgaca gaaggcgagc gatatgtgat gacatttttg aatgtattga actttggtga 780
tcagggtgtg tatgatatag tgaataatct tggctccctt gtggccagat taattttcca 840
gccaatagag gaaagttttt atatatattt tgctaaagtg ctggagaggg gaaaggatgc 900
cacacttcag aagcaggagg acgttgctgt ggctgctgca gtcttgaggt ccctgctcaa 960
gctggccctg ctggccggcc tgaccatcac tgtttttggc tttgcctatt ctgagctggc 1020
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ctactgtctc tatgttctcc tgcttgccat caatggagtg acagagtgtt tcacatttgc 1140
tgccatgagc aaagaggagg tcgacaggta caattttgtg atgctggccc tgtcctcctc 1200
attcctggtg ttatcctatc tcttgaccgg ttggtgtggc agcgtgggct tcatcttggc 1260
caactgcttt aacatgggca ttcggatcac gcagagcctt tgcttcatcc accgtacta 1320
ccgaaggagc cccacaggc ccctggctgg cctgcaccta tcgccagtcc tgctcgggac 1380
at ttgccctc agtgggtggg ttactgctgt ttcggaggta ttctctgct gtgagcaggg 1440
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gacagcattc ctacacagaga ccaagctgat ccatttcctc aggactcagt taggtgtgcc 1560
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cagctatggg tagttctgtg ggtggaacac attctgtgta agagccccac tgagggtctc 1680
gcagcggagt gacagcaacc ccagagatga ggcaccagag agtgccactg catgagacac 1740
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agccctttta aaataatagt tttttatcat tttatagtaa tcagcatttt ctcttttact 1860
aatatactca ttcctttttg gtatgattgg cctttggagc tacatgctcc aacaaactgt 1920
atcttaattg ttaactgtta ataattatct ggcccagaaa aagagatgca gtgattttac 1980
ccttcacagg aatattgaac ttcttctgta aaagagagag agaaacctct ctctttcatg 2040
caccacatgg aaacagagtg tggccctg 2068

```

```

<210> 4809
<211> 1180
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1181)
<223> n = a,t,c or g

```

```

<220>
<221> misc_feature
<222> (1101)...(482)
<223> similar to gil381181 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4809
tttttttttt tttaaagtttg ttttgtgggt ttttttccat tttcttttgc taccagtat 60
atgcagcact tgtgaactcc caacagggtc ccagctttaa acacattaaa catcttgaaa 120
gactattgaa ttcttcaaga atctaaaaac agaccaaacg tgttttgctg tgaacattct 180
gtagagacga agtgaggcgg gagtttgggt tcatattttt taaaaaaaga atcaatatag 240
tgatggaagg gtaaagaatg caagaattca gacattctgt ggagggttac tctctctcca 300

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<400>	4810						
tttttt	ttgagaattt	agctgttctt	tattgacatg	gaatttgagg	tggcgagggg		60
acaccc	tccaggagga	tgaggtaggt	tcagtgcctc	cagctcacac	ctttcctggg		120
ccttca	gtgtgacagt	tcggttaaag	acaagctttc	cctgatggct	gtctggatcc		180
agaaat	atccaagacg	ctcaaactgg	aacttgtcga	agggttttgc	cagggccaca		240
agtcca	ctaattgctgc	atccaccacg	tgtagtgatg	ccaggttcag	gtcacttaaa		300
caccag	gcacctcagt	aggatcttca	gggttcttgt	gctggaatag	tcgctcatag		360
gaacct	cacacatcaa	aggctgtgac	accagtgaa	taaaggcctt	tggcttctct		420
catctg	cccgctcgca	ggtcacctcc	agactctcta	cacaaccact	ggggcccttg		480
catgct	gcagctcaat	gacgtagcct	gtatgcctca	ggcccacagg	ctggcccca		540
ggcgct	taaatcctgg	ctctggctcc	tccttgaagt	cagtcctctc	aatgaagaca		600
gtgcaa	agggaacctg	atggaagcct	ttggtctcat	cagctgggaa	gttgggcacc		660
gttcca	aggacttggc	agcaggaaag	ttggtgatga	tgaccgtag	tgactccagc		720
ccatgg	ctcgtggggc	tgtgtcattc	agcacatcac	gcacacaggc	ttctagaaga		780
gttcca	ttgtggtttg	tgccacagtc	actcccaccc	gggcacagaa	gttgttgatg		840
cagggtg	ggaagccccg	ccgtcgcagg	gccgtgagtg	taaagagccg	tgggtcatcc		900
cccgca	cagcaccagt	tgctacaagc	tggaggatct	tcctcttaga	gacaacagca		960
gcagggt	tgaggcgggc	atactcccac	tgcacagggc	aatagacgtc	cagtgcattg		1020
gccaga	agttaggaaga	gcgtcgggcc	tggaaatcct	tggtgcagag	tgagtgagtg		1080
cttcga	tggagtcaca	gaggcaggtg	gtgtagtcgt	aggtgggata	gatgcaccat		1140
cccctg	tgcggtggtg	tgggtatata	ttgactcgat	agctcacagg	gtccactctt		1200
cttcca	tcaccagctt	catccgtagt	gtggcctcgc	ccctcgaaaa	cttgcccttg		1260
gtgect	caaagagcag	cagtgactcc	tccatgggac	ggtctctcca	gggtgaaagc		1320

094837E 04100

```

agagtattat ggcctttgag ctccctctcct cgctgggtggc acacataagc cagaccccctg 1380
cggatgagct ccacagccca cgcataatagc tgggtcaaaat agtcagacgc atatgtgact 1440
ttgtaagggtg tgtagcctag ccaggctacc atgtcacaga tggccgtgaa gaacttttgc 1500
tcctccttct caggggttggt gtcatacaaaa cgcagaaaac agatgccatt gttggccttg 1560
gcatagccaa agttgaaaatt gatggctttg gcatgtccaa tatgcaggat tccattgggt 1620
tctggcggga accgggtacg tacctgcccc ccagtaatct ccagggtgctg ctttagtaga 1680
ttcatggtgt gtggagtac cacaatagcct ggggtcctgt agttctcacc aggcctgtgg 1740
aacttaaggg cctccccccg gagctgctcc atcagagaca gggctctggc agcagtctcg 1800
ccattctcca ccacatcctt tgccgtcctc cggctctgttt cttctagccg ag 1852

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```

<210> 4811
<211> 2249
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (224)...(1447)
<223> similar to gi2911858 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4811
ccgcctggga ggggaccccg gctgccaggc gccagctgt gccagatgg atgggacaga 60
gacccggcag cggaggctgg acagctgtgg caagccaggg gagctggggc ttcctcacc 120
cctcagcaca ggaggactcc ctgtagcctc agaagatgga gctctcaggg cccctgagag 180
ccaaagcgtg acccccaagc cactggagac tgagcctagc agggagaccg cctgggccat 240
aggccttcag gtgaccgtgc cttcatgtt tgcaggcctg ggactgtcct gggccggcat 300
gcttctggac tatttccagc actggcctgt gtttgtggag gtgaaagacc ttttgacatt 360
ggtgccgccc ctggtggggc tgaaggggaa cctggagatg aactggcat ccagactctc 420
cacagctgcc aacactggac aaattgatga ccccaggag cagcacagag tcatcagcag 480
caacctggcc ctcatccagg tgcaggccac tgcgtgggg ctcttggtg ctgtggctgc 540
gctgctgttg ggcgtgggtg ctgcagagga agtggatgtc gccaaagtgg agttgctgtg 600
tgccagcagt gtcctcactg ccttccttgc agcctttgcc ctgggggtgc tgatggtctg 660
tatagtgatt ggtgctcgaa agctcggggg caaccagac aacattgcc cgcctattgc 720
agccagcctg ggagacctca tcacactgtc cattctggct ttgggttagca gcttcttcta 780
cagacacaaa gatagtcggg atctgacgcc gctggtctgc ctgagctttg cggctctgac 840
cccagtgtgg gtccctcattg ccaagcagag cccacccatc gtgaagatcc tgaagtttgg 900
ctggttccca atcatcctgg ccatggtcat cagcagtttc ggaggactca tcttgagcaa 960
aaccgtttct aaacagcagt acaaaggcat ggcgatattt acccccgta tatgtggtgt 1020
tggtggcaat ctggtggcca ttcagaccag ccgaatctca acctacctgc acatgtggag 1080
tgacctggc gtccctgccc tccagatgaa gaaattcttg cccaaccgtg gttctacttt 1140
ctgcacgtca gaaatcaatt ccatgtcagc tcgagtcctg ctcttgctgg tggccccagg 1200
ccatctgatt ttcttctaca tcatctacct ggtggagggt cagtcagtca taaacagcca 1260
gacctttgtg gtgctctacc tgcctggcagg cctgatccag gtgacaatcc tgctgtacct 1320
ggcagaagtg atggttcggc tgacttggca ccaggccctg gatcctgaca accactgcat 1380
cccctacctt acagggtctg gggacctgct cgggtactgg ctccctggcac tctgcttttt 1440
cactgactgg ctactgaaga gcaaggcaga gctgggtggc atctcagaac tggcatctgg 1500
acctccctaa ctgggccccg ctggtcccat ttgctcatta gaatttctc tcacatcagt 1560
gggatacaga attcagtttc tcccttgcca ggtccttggg atggttgacc cctgcctctg 1620
cagtagcctt ttgtgagtct gctaaggtag ctctcacaca cctcggtctt ggggttgata 1680

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```

<210> 4813
<211> 1690
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1691)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1640)...(1351)
<223> similar to gi5771451 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4813
tttttttttt ttcagatttc acgtgtattt ttgctaaaac tgaaagctgt caggatccac      60
attggtggtta ccagtttgta ctgaagcctg atacaatacc caacagtatt gctctgggttt      120
tttcaagcac  acaactccaag caagtgggtca gtctggctta attcattatg gcttttttttc      180
agggttaagag attcacacgc aagagaataa ggctacaaat gctccaaaca tgggtccaga      240
actctggctc  ttttgtgagg cctagagtca cagaaaatgc catctgttaa gaagctgctt      300
ttgcataaaa  aaatataaaa agttacaaaa ttccatcaaa gacagataca cagtataaat      360
cgttaggtga  acacagaagg ctggtctcat ctctgcagt  ggcccataga cctgccctga      420
ggtctggaag  ttcactgtcc tgagggtcca ggaactcctg cctgctggct gggctctagg      480
aagaaggagg  gtttggctgg gcccggccag ctcccatga  cactgtcact gtgatgccac      540
tgttgtacct  tctgtcttct ggaccagtca gtctatgagc tcttctttga aacagtctta      600
gaccagaat   ggtcatctca ccccagaag  acatggtttc caagggtggg aggtgttagt      660
tatgggtgcc  gagccccact tcctgggcga caaggcaaa  gtcaatttct cctgcttca      720
agaatgaaga  gggaaactgg gtccttgaa  ccaaagattc ttggaagggt cattgtcacc      780
aaagtggctg  gtgtgggcag gagcaccaag tgcagacaaa cccaccgggg cctggcgggg      840
cagccctgtc  atggtttctg tctttgttcc tgtagtgaa  acagaagacc cccgaccccc      900
gccacctagc  agcatggaac acctgctgcc cagatacaga caaggctctg ctttgtctcc      960
ttgtgctggg  ttttggcaga gacgttaaag ggctgaaggc ctgtgggaca gaaatgggga     1020
gaaggagtgg  gatacccaag atgccctcat acgcagcgtg gtcaacagtg ctgagctgag     1080
gggcaagcct  ggtaggctgg gctcaggcag aacctgaggc ttaggggggc ctgctgtgtc     1140
cgcagcccc  tctgcaactc agaagtccag gcctccgctc caacgccagc gaccctgtg      1200
aggcgagggg  gtggaggcct gtgtggctca ggttgccaag gaccccgcca ggccttcagt     1260
cagagtccga  gtcggaattc tcttcttctg tcttgtgggc tgtggtctca tctgcagagt     1320
ccccttgttt  gaggaatttg gccacgtcgt taaagatcag gtagaaatca gttgcaaaca     1380
cgatggtagc  aaagaagcca aacaccccag cggttttga  agccccatcc gagtacttgg     1440
cgatggccgt  gatggagata gcaaagtaga tgagggccgc ggtgacacag cgcaggaagt     1500
ccatcatggg  ccagcacaag ccctgccact tgtcattcag ctgcatggca tcagcaaaga     1560
ggaagtacaa  ggccagcagg aactccagca gaggcgctgt gaggaaggca gatgctgagg     1620
acgccacata  gcagataaaa gtggaattcc nccgcnctcg cgagtgggtca tcagggtctca     1680
ttncnngcca                                     1690

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```

<210> 4814
<211> 1228
<212> DNA

```


<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1229)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (1170)...(206)

<223> similar to gi3687829 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4814

tgcggccgct	gttaccacct	cagacactgg	tctaagtcca	gggcagcctg	ggatccctac	60
tcctcttgac	cccaaaggcc	agcaacgtgg	gctgacaccc	ctccccgggg	catctttgga	120
cgggtcctgc	atccagcagg	gatgtggtca	tctctgtcct	ctcagggcct	gggagccagc	180
gggtctggcc	gagtgttagg	gtggcttcct	ggtctccttc	cttagcaggg	agctggccac	240
agccaaggcg	ccccctgca	caaacctcac	gaagttgtcc	ccggccagcg	gccccatggc	300
gtacaggccc	tcctggcggg	tgtctgggta	ggtgaagggg	tccacgtcaa	tgggggtcct	360
cttggcgctc	agcggctggg	caggatccac	tgcaaagtca	gcccctgccc	caggcaggaa	420
ggagagggtcg	gggtgggagc	cgatgaggac	cagcaccagg	gagaccccaa	acaccttctc	480
gacaccctcg	aggtcctgga	acacggcctg	gcagtcttcc	ttgaagcaca	gcagctggtg	540
cctggggagg	ctgcggtaac	cctcataggg	gctgggcgac	aggatggact	gctcccgcac	600
catctggtgc	accttgtggt	actcggggta	cagcatcttg	ggcagctggt	tgaacaccag	660
gccagggtcg	tccacggccc	ggcgggaaggc	atggatcacc	gggatgttgt	agtggcgggc	720
gtagaggacc	gcgtcggccg	ctgacagccc	cgcgccaatg	atgaggacag	ggtctgaggc	780
cggggtcacc	gcaccacccc	ttgtggcggc	ctccagggca	gacagctcat	ggtggatgaa	840
gggcagggcc	tccccgggga	tgcccagccg	ggccgggctg	tcgaacgtgc	ctgtggcgag	900
gaccacgttg	cgggcccaca	gcgagaaggg	ctgctggggc	tggttcctgg	tcaggaagcc	960
gctcacctgg	aagagggggc	tggagtcctg	ggccccacag	ctgctgggat	cgggggtccc	1020
ccactccacg	gctgtgacta	cagcaccgga	cacaaagtta	tgccccagac	ccttcttgac	1080
cacgtagtcc	ctgtagtagt	gggcgatgtc	cccggcagtg	gcccggctgt	tgcgaagacc	1140
tcttcgcttc	ttctgcatcc	agtccttgac	ctccgaattc	caccacactg	actagaggtc	1200
tacagtgggn	ntcaggncng	gacccct				1228

<210> 4815

<211> 1387

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1388)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (891)...(668)

<223> similar to gi5734463 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4815
ttttgttgtt taacttttctc tctttttttt ttttttcaaa ttactagaat tttaattagc 60
caagggatag cagctggagg agaaataaca aaaaaataca tcttaagaat ccttaagtac 120
agtgcataatt tacaatttaa gtgtcatatt ttagaaggcc actgtccatc agctcagtaa 180
atgtaccagc ttctaaagcc atgatgccat aggtccattt gttgatgaaa ttcctaccca 240
ctgtcctcgg ggcactctgac tctgggtctc tgcactgggc atcaagagga cgctgctcgg 300
tggtttaagg gcttaacacc ttacagggta acactgttaa cactggccct tggaagccca 360
ggtgcttttc tccatgaaaa cttccacctt ggtagctcag ccgacataga caacacacaa 420
agcgagctc tgcacttctg tccttatctt cacacagtga catccacacc aggtggccaa 480
acagaagaga aggcagaggc ccaccaagag ctgatgctgc gcagtccttg ggggatcatc 540
ctccggtctc actggggagc aacccagggt ctggagcctc tcccctgaca gacagcttgt 600
caccggcact tatgggtcct ctgggatttc agacaatacc caacttctgt aggttcagaa 660
agtgttttca agcaggcagt ggcacccaca cccggtggga cacacctct ggggccgaaa 720
ccactccatc atgtggctgg tgtggccacc gtgccacag gtcaggcaga aattggacga 780
tccccgcaca gccacgtgac agatggcaca ctggaacgtg aagcctttgc agatggcaca 840
ctgcgtgcca cggacctcac tccggcagtg gctgcagtac acgccgaact cgatcccttt 900
gtgaggggtca ggaggacagg agacaaactt caacacttca gctcgcttct ctctcagacc 960
ccaacggtag aggatttccc catagcatth cttaaagtca tcaaattgct gggatttggc 1020
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gtaggtcaga ctcccaaagc ggagctcttc tggtgaggat tctccccaag gggaggacaa 1140
gtgctctgcc tctcttcccg ctgaagaaaa tcaaattgga aggggaagatg gcaatcagag 1200
aaggcatgga aaatatctga agagtctcat aagacagcat gtggccaatg gatttcccag 1260
aagaaatgtt aagcgaggct gaatatctg agaaatataa ctaaatagaa ctctctccta 1320
cccttgccga attccggcgc gctgggtgag tgggtccacga tcnctggcct aggggtctcg 1380
atttccc 1387

<210> 4816
<211> 2526
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (34)...(1147)
<223> similar to gi5305327 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4816
ccctgatgaa cattaggcca gtgcggtgga attcctctct gcgcatctga cggaaggacc 60
ttcctttccc gttgtgaatt tcttcgtgcc ttgtgcaaag atccccagct agagattgca 120
tatcgaggaa actgcaaaga cgtgtccagg tgtgtggccg aaaggaagta taccaggag 180
caagcccgga aggagtttca gcaagtgttc attcctgagt gcaatgacga cggcacctac 240
agtcagggtcc agtgtcacag ctacacggga tactgctggt gcgtcacgcc caacgggagg 300
cccacagcg gcaactgccg ggcccacaag acgccccggt gcccggttc cgtaaatagaa 360
aagttacccc aacgcgaagg cacaggaaaa acagatgatg ccgcagctcc agcgttggag 420

actcagcctc	aaggagatga	agaagatatt	gcatacagtt	accctaccct	ttggactgaa	480
cagggttaaaa	gtcggcagaa	caaaaccaat	aagaattcag	tgatcatcctg	tgaccaagag	540
caccagtctg	ccctggagga	agccaagcag	cccaagaacg	acaatgtggt	gatccctgag	600
tgtgcgacag	gcggcctcta	caagccagtg	cagtgccacc	cctccacggg	gtactgctgg	660
tgcgtcctgg	tggacacggg	gcgccccatt	cccggcacat	ccacaaggta	cgagcagccg	720
aaatgtgaca	acacggccag	ggccccacca	gccaaggccc	gggacctgta	caagggccgc	780
cagctacaag	gttgtccggg	tgccccaaag	catgagtttc	tgaccagcgt	tctggacgcg	840
ctgtccacgg	acatggtcca	cgcgcctcc	gacccctcct	ccttcgttca	gggcaggctc	900
tcagaacccg	acccagacca	taccctagag	gagcgggtgg	tgacttggtta	cttcaaacta	960
ctggataaaa	actccagtgg	agacatcggc	aaaaaggaaa	tcaaaccctt	caagagggttc	1020
cttcgcaaaa	aatacaagcc	caaaaaatgt	gtgaagaagt	ttgttgaata	ctgtgacgtg	1080
aataatgaca	aatccatctc	cgtacaagaa	ctgatgggct	gcctgggcgt	ggcgaaagag	1140
gacggcaaa	cggaaccaa	gaaacgccc	acccccagag	gtcatgctga	aagtacgtct	1200
aatagacagc	caaggaaaaca	aggataaatg	gctcataccc	cgaaggcagt	tcctagacac	1260
atgggaaatt	tccctcacca	aagagcaatt	aagaaaacaa	aaacagaaac	acatagtatt	1320
tgactttgt	actttaaatg	taaattcact	ttgtagaaat	gagctattta	aacagactgt	1380
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tttcttcgcc	ttccacatgt	taacagtaga	gctctatgca	ctccggctgc	aatcgatagg	1560
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ttggaagctc	cacatgtcca	tggaagtttg	tgatgtacgg	ccgaccctac	aggcagttaa	1680
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gagatcttgc	tcatacaatg	aatcacgcaa	ccactaaagc	tatccagtta	agtgcaggta	1800
gttcccctgg	aggaaataat	attttcaaac	tgtcgttgg	gtgatacttt	ggctcaaagg	1860
atctttgctt	ttccatttta	agcttctgtt	ttgagttttg	ccctggggct	tgaatgagtc	1920
ccagagagtc	gttcggatgg	tgggaggctg	cctaggaggc	agtaaatcca	gtcacagtgc	1980
ctgggagggg	cccatccttc	caaaatgtaa	atccagtcgc	ggtgtgaccg	agctggctaa	2040
caggcttgct	tgcttggttt	tcctcctaca	cgtggacatt	attctcctga	tcctcctacc	2100
tgggtccacc	cagggtacc	ggaaggtaaa	atcttcacct	gaaccaatta	tgagcagtct	2160
ccttactgaa	ggtacagccg	gatacgtgg	gccccgggg	ctgggtgttg	cagccggggg	2220
gaggtgcctg	agggtcccc	cggttccttt	ctgcttttct	gaatgcatca	agggtacgag	2280
aacttgccaa	tgggaaattc	atccgagtgg	cactggcaga	gaaggatagg	agtggaaatgc	2340
ccacacagtg	accaacagaa	ctgggtctgcg	tgcataacca	gctgccacc	tcaggcctgg	2400
gccccagagc	tcagggcacc	cagtgtctta	aggaaaccatt	tggaggacag	tctgagagca	2460
ggaacttcaa	gctgtgattc	tatctcggt	cagacttttg	gttggaaaaa	gatcttcatg	2520
gccccct						2526

<210> 4817

<211> 1384

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1386)...(1091)

<223> similar to gil872200 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4817

ggcgagagc gccacgggca gtgtggctgc tgccccccag gaggcttgag gatgggtctc 60

```

actgctctga aaagacacaa ccagaatggc ctggggctca ggccttggt tgagtgggaa 120
tgcgttggga ctgcccagct gagctatcag tcacgtgacc ctgatgccag gctctccagg 180
gaatcaggag gaaaagccca ggtgctcttg acaataatgt ggtgctgct gccctgtggg 240
ctccctaata cccagagggg cctgttcagc aaaaggagca caagcagggtg agcctgcac 300
ctagtcttga ccatgcactg tgaggctggg aacaaccac caggccacct caccacaaaa 360
atgcagctac gttggtcaca gggtgaggat ttgtaagaaa gccacaata gaatttgctg 420
agtgcgccat gcagagcaac cagacaaggg gatgaagagg gtgaggagggt tggctgctgg 480
gaccagggtc atgactgcag gggcaaacca gggcctcacc tttccaggcc tccatcctcc 540
aggtatcgga attccgtatt ggtccagggt gaaaacttct ctagaatata ggagccaga 600
cccacaggag agtcattcag agcagagcct ggcggggagc ggggagcaag ggagagactc 660
aggcctgggg accagagagc tggagcttca ggtgtgatgt gtggcactgg ccgcagaggg 720
cggggctgtg tgcaggaagc cacgttcgag cacaggcctg ccttaactcc tgggtgctca 780
catgcctcgc ttccttaact ctgcctcggc atcctcatct gataaacagg gacgatacct 840
tcccactgtc tcccaggggc tggcacactg cctgctcagc ttccttcaaa ctgaaggggc 900
tacgcctctg catttggtgg ggtcccaatg agaagtgtctg tttttaaaaa ggcgggggtt 960
ttcagtctat gtgctctgat tcatgaaaaa tgagaagcca cctaaaaaag tctaaaaatag 1020
gggatcagtt acaaatattg atatactcat aagccaaaat actgtacagt cattaataat 1080
ggctggaaca ggctgggggc attggctcat gcctgtaatc ccagcacttt gggagggcga 1140
gaaaggtgga tcacctgcgg taaggagttc gagactatcc tggctgacat ggtgaaaccc 1200
catctctatt aaaaatacaa aaaaattagc agggcatggt ggtgcatgcc tghtaatcca 1260
gctacttggg aggctgaggc aggcaaatg cttgaacccg ggaggtggag gttgcagtga 1320
gccgagatcg taccactgca ctctagcctg ggcaacagag caagactctg tctcaaaaaa 1380
aaaa 1384

```

```

<210> 4818
<211> 700
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (701)...(415)
<223> similar to gil783301 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4818
tttttttttt ttgttgcaga tagaaacttg tgctttaata tatctctggg tgtgtgagca 60
tgagtgtgtg cgtgtgtgca agtggacag ctgtctccag ggcctcagt cctggcctct 120
gtccttggtt tctgtctcat cttgcagcca atgcaggccc cctccctggc gggccggccc 180
tgccctgggg caccacagct ggcgggggtc agtctttggt acaatgtgga cactttggtg 240
tgccgggggc aagggttggg ggggtggccac acagctctca tcatctctgc aacgccaaga 300
ggaagatggc catgggcccc cacagctgtg ggctggactg gcaggggggt cactgcccg 360
gcatcaccac cactttattg ggatccgtct gcttccgggg acactcccc ttcttcagt 420
tgacgtcatc tatggcaata tccccagggt agcccgggcc tcgaaccccc tcaaaaataa 480
tctggaaggg cccactgggg ctgatgggca catgggcctg ctgccacaca ttgcccttat 540
tgccactgag agaccaggcg tgcgtgtcca gagccccttt gttccgggac cgcaccagga 600
ggttgaggga gccgatgtgt ttcccgta tgtggtagaa gaaggagaca cagtagaact 660
ttggcgctgg atttgagagg ggactcacta accttggcac 700

```

<210> 4819
 <211> 1410
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1411)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (768)...(945)
 <223> similar to gi310100 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4819

tttttttttt	ttactttttac	ataatctcat	ttaatttaac	cctcacaaca	accctgtgag	60	
gtaggtat	gtccat	ttt	acaaatggag	aaatcgaggc	acaaaagatt	aaacatctta	120
ccaaagtctg	cacagccact	tatatgctgg	agctagaatt	tgaacccagg	tgtgcctcca	180	
ctttttaata	ctagaccaat	cttttcacgg	gggaagtttc	ctagattaac	accctcacat	240	
cttttaagac	cattccaaaa	cctgcgttct	gttttgca	agccctcact	gtgtttctgc	300	
tgccctgaaa	cagtggaggc	agacaaaggt	gagtgcgaag	tgagggaacca	taagaagtgg	360	
tagatctctg	tggagtgcc	taagaaccct	caagagcctt	aacaaaggta	gttgggggag	420	
aggggaagag	gtgtttcagc	agctctgctc	ccagcagcca	tttctctct	ccagggcaaa	480	
gggggtggggc	tgcgaggcca	gctgaccaag	aaacccctcc	agctcctcca	gtccaagtcc	540	
agcatctttc	ctacaactat	tctgccttcc	acttcgtctt	cttccttgcc	tcactctatg	600	
tcatggttac	ccttaccaac	tgggttcaggt	aagatggagt	gggccttaga	tactctcctg	660	
aagagctagc	tattttaagg	aaagagcaat	tcaaggccat	tccagacaca	catgggtctg	720	
ccattatatt	tgggtgaggag	gtagaacagg	tctaaaagct	aaggcccttc	atattctcta	780	
accagagcct	tgggttacac	agctatgagg	gagcagaact	ggaaaagacc	ttcatcaagg	840	
gtagctgggc	caccttctgg	gtcaagggtg	cctcatgctg	ggcctgcgta	ctcctctatc	900	
tggggctggt	actggcacca	ctctgttggc	ccccaccca	gaaaccccag	ccccttatct	960	
tgaggcgccg	ccgccaccgc	atcatatccc	cagataacaa	atatcctcca	gtctaagtcc	1020	
ttttcacaaa	ctgggggttcc	cctgacattg	tactcctaga	gttgggtcaa	ggggagctgt	1080	
ccagcccagc	tcaataacctc	aaggacacac	agggagttat	ctccgtttgg	gctgaagtca	1140	
atactatgaa	ctggaagaag	tgggtcaaaca	cagtctaata	tgctgggcag	agtgtctgac	1200	
tactggagc	tactgttaca	tctgcatccc	agctcaagag	cctaacaccc	aaatcagcag	1260	
ctcaaagaac	caccgctgat	cccagcagac	agtgtgcacc	agccctttcc	tggctcttgg	1320	
gcttcttata	tccgtgtnc	agggctgaac	tccttatttt	cctttctcca	naggcagagc	1380	
cgagtcttca	gtccctgttg	gtctttcccc				1410	

<210> 4820
 <211> 382
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(92)
 <223> similar to gi203992 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4820
 gttgcggggg gtgtcatcaa agcagtggac aagaaggctg ctggagctgg caaggtcacc 60
 aagtctgccc agaaagctca gaaggctaaa tgaatattat ccctaatacc tgccacccca 120
 ctcttaaatca gtggtggaag aacggtctca gaactgtttg tttcaattgg ccatttaagt 180
 ttagtagtaa aagactgggt aatgataaca atgcatcgta aaaccttcaa aaggaaagga 240
 gaatgttttg tggaccactt tggttttctt ttttgcgtgt ggcagtttta agttattagt 300
 ttttaaaatc agtacttttt aatggaaaca acttgaccaa aaatttgtca cagaattttg 360
 agacccttag ttctaatacg ga 382

<210> 4821
 <211> 1050
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (103)...(622)
 <223> similar to gi2145020 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4821
 caattgatac acctatcaca tggataccag attcactgga ctgactatta caacgtcggg 60
 actgggagac cagaattcgg cagcagggca gcccacaagt ccctggccgg agcagagctg 120
 aagacgtca aggactttgt gactgtcttg gccaaagctgt tccctggacg gccgccagtc 180
 aagaagctgt tggagatgct gcaggagtgg ctggccagcc ttcccctgga caggatcccc 240
 tacaacgccg tgcttgacct ggtcaacaac aagatgcgga tttctggaat attccttact 300
 aatcacataa agtgggttgg atgtcaagga agccgatctg agttgagggg ttaccctgtg 360
 tctctctgga aactgttcca cactttgact gttgaagcct cgacccaccc agatgcactg 420
 gttggcacag gctttgaaga cgacccccag gctgtgctgc agacaatgag gaggtacgtt 480
 cacaccttct ttgggtgtaa ggaatgtggt gagcactttg aggaaatggc taaagaatcc 540
 atggactcgg tgaaaacccc agaccaagcc atcctctggc tgtggaagaa gcataatatg 600
 gtgaacggcc gcctggcagg tgagaagccc ctgggcatgg ggggctcagc acgggaggag 660
 ggaggccctg gtccctgggac agcaaggacg gcacggctgc cgtggggcct gtccctgagc 720
 tttgcccct cgtgccaccc actgtgctga cgggatcagg acttgggtgg ctgagagctg 780
 ccagagctgc agcctttccc aggtctgttc tgtccccggc tttctagatg cttctctcac 840
 tccgggggct cttcgacccc gtggaaatgg gtgtggctct ttcttcccc atcggtaccc 900
 actggtagcc cgttagactc tgaagatgtt tttgactctg gaaagcttgg aacgtaatta 960
 atttttgatg aggaatttta gtagtatgga aatctgttgt ccaaacgtaa accaaacctc 1020
 tcaaagtgct ttgttttgtt aaaaaaaaaa 1050

<210> 4822
 <211> 2342
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(2343)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (2065)...(656)
 <223> similar to gi2734081 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4822

tttttttttt	ttcaggatta	gatacaat	ttt	aataatagtt	caattccaaa	ataaaagtta	60
ttgtaggtaa	gacatgaaa	tttcctaaca	cttgatttta	atacattg	cg	ctaattttct	120
aaaacaactc	agaggaaccc	atatttacag	taggcagaat	atztatgaaa	aaaatctggc		180
atcagggtata	tttatatata	tgtatgtgtg	tgtatacgta	tgtgtgtgta	tatatatgtg		240
tgtgtgtgtg	tgtatcccga	gattatatga	actaagaaac	aagttgtgta	tcttaacagc		300
agtactagag	cgcagagttt	cagacttgga	tttataaatg	ctttcaacgt	gtggtgtttg		360
gaaaaggaga	agacatcatc	tgattttcaa	aacctgaagt	ttttctcagg	actgaagtca		420
aaatcgtaac	tgccacagag	ggaaaaggga	agcttttccc	cttaattggt	catctgcgtc		480
agaaagtcca	gtatccctga	gataggaacc	actgtaatta	gaagattgga	atgaacaggt		540
tttccccaaa	ggaagattgt	ttgttgctga	attatgccta	ctgccctgat	catcagggtat		600
aaactttgca	tcttccaacc	taatgcttgg	cagcaccaag	acgtttcagt	aatggttcat		660
cataaacc	gcatttctcca	ttttcatgaa	ataaccttgt	ctcccactga	atttccttct		720
ccttcctttc	tggggttct	gctctttgtc	tttcttcaag	cctgtgcttt	gcttcagttg		780
ctgcatcaat	gtctctgatt	tttaagttga	aagtgcacac	cttccaaagg	ctgcgggatt		840
catactcggt	ctgatcttcc	aacttctcca	ctttcttctt	gattataggc	aacttcttgg		900
tatctacaaa	gactgtat	ttcccgtgtg	catattttgc	atacatcaca	ccattccatt		960
ccccttcaat	tgagcaaaaa	gacttcttgt	catttgga	gaga	aaaaatctcg	gcagtaattc	1020
tgtgcttctt	gcccccatag	aagggtttag	tgtggaagat	gatatttgca	ctatagcctg		1080
ttttggaaca	attaatattg	catttctctc	ctaattccac	ccagggcact	gtgaggatag		1140
accttccata	gccattgggg	aatgtgagaa	tgtaatgttc	atcatagtct	agacatgaga		1200
cacagccctg	ccctatgttg	tgaccccaa	ttgacatccc	aagggaat	ttt	gatttgggtcc	1260
agatatgagc	attgaattgt	atcttcttgt	taaaacactc	agcataaaag	gctgaaatgg		1320
gtggatgatg	ggaaacctgc	tcagccacaa	atgttacact	gtttttggaa	acccagggaa		1380
ctgggtccttc	tgaaactagt	tctgtgttct	cttcagtatc	atttggtaat	gtccaatgac		1440
actgaaaaat	ctgcgccaaa	atgggattgt	atgggttttt	ggcaactgat	cctttccttc		1500
ccgcatgaaa	ggctgagagg	taccatttca	caacctgaac	cattcgatcc	ttgggatcct		1560
tctggtcact	aatgtctaca	aacagggtccg	gatgtgcaaa	aaagtctgca	tacatttcta		1620
aaagagatct	tctttcaaga	ataaacgttg	gaagaactac	cttagtaaga	tccattccaa		1680
gtctaacctg	cgacaagaga	tgcatgataa	cgctcttgtg	ctcctccaca	gaccctgcct		1740
ccgcatcatc	atctctgtca	tcatgtgaat	caaacagggtc	agcatcactt	gttccattgg		1800
acaaggaaga	attaagtgat	tctgtggtat	ctgggcgttt	tagactat	ttt	cccagagctgc	1860
tgtgtgtcag	gactgaggca	gatccagaag	aatctattaa	gcgctttggg	gatgagccac		1920
tttgatggaa	ttcatcagca	tcataaaatt	catcttcaact	gctggagtaa	gagaactctg		1980
ggactgtatt	tggagacaag	ttcacgtggc	ttggagaagt	gagactgcta	ctcggtggtg		2040

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aatggccact gctgtacta tttggtgtag gagtctgatg atgtcccaag gtagccaaca 2100
caggtccaac tggtagggaa gatggacgct gctctgactt acacaactga acaggttctg 2160
gaggtaacac agtctgggaa ggcattgtgc tgatcacagg ttccaaagga ctaggttgat 2220
atattgcatc tacgggatta atagtactta taattccatc tgcgtgattc accgcattac 2280
tctggtcttt cgcaatccgc ggacgcgtgg gcgacccggg aattcgnggc nggttctcac 2340
ca 2342

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```

<210> 4823
<211> 737
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(560)
<223> similar to gi4263745 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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```

<400> 4823
cttatgcttc ttgctccccg agggcttctt tgcccgcgcc ccctttgcca ggagttaata 60
gcagcagtga aactccaccc ccgctacccc ctaaatcccc cagcttccgg gccccaccgc 120
agaaggccgg tgcgcaggcc ttgcccggcc cgctgcccc tccgggctcc cagccgttcc 180
tgcagaagaa gaggcattggc cgaccagggg ccggtggggg aaagctaaat ccacctccag 240
caccctctgc gagatcacct accacagagc tttcaagcaa gagccagcag gccacagcct 300
ggacccccgac gcagcagcct ggaggtcaac tgcgaaatgg aagcctgcac atcattgatg 360
acttcgagtc taaattcacg ttccattctg tggaagactt tccgcctccg gatgaatata 420
aaccatgcca gaagatttac cccagcaaga tccccagaag ccgtacacct ggtccctggc 480
tccaagcggg agcagtcggg cagagctctg atgacatcaa aggcagaaat tctcagttat 540
ctctaaagac tcttcggtga gaaggcagat gaagcgaagg tctgggggtt ccaggttgca 600
gaacaacatg tcagacccca cccaccccat gctcaagctg taattcagtt ggcatacagg 660
cttgggaattg agaatttatt tattgtaaat atgtgatttg cacgggcttt aaagcagtat 720
ttaaattgaa aaaaaaa 737

```

```

<210> 4824
<211> 1096
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(206)
<223> similar to gi4038076 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```


<400> 4824

gagat	tttga	atgtgaagaa	tgtcatggtg	gtagtatcac	gctgggatgg	agggattctg	60
ctaggaccag	atcgctttaa	acatatcaac	aactgtgcc	gaaacatact	agtggaaaag	120	
aactacacaa	attcacctga	ggagtcattct	aaggcttttg	gaaagaacaa	aaaagtaaga	180	
aaagacaaga	agaggaatga	acattaatac	ctgaaactat	aggaaagggt	aatttgccta	240	
taattatata	tacattccat	agtcattcaag	gaatatattg	tgcagagaga	gtatccttga	300	
ctgcttaagt	cagccagttc	agcatggata	ccaacattag	cttttcttct	tggttatatc	360	
atctgcaaaa	aatagagaac	ttatgatcta	ttcatgtgtg	tttcaggctt	atttgggaga	420	
actaatttga	acttaatcac	catttcattct	aatttttagca	aggtaacagt	tgcccagggc	480	
agtacctgga	attaactgtc	catttcagta	catgtcaagt	gcctttgtta	ggtggagaag	540	
aatgtctct	agaggaatat	aaatacctga	tttctctggtc	atcgagattc	ttgtactgtt	600	
aatgaatat	tgctttttac	tgctctttat	ggcttatttg	aataggagct	catttaagat	660	
tgatcttgga	gagtttcttc	ttgtgatttt	agttcataag	tatgtcacct	ttcattttat	720	
agtgttcac	attgagtaat	ggattaagtg	aaaatccagg	agtatccatc	tgcatgttatg	780	
tgctgaggtg	ataattcatc	caacatatatt	gttagcataa	atattatgct	tcagtttctg	840	
ttgcaaatg	gtgattgtga	aattacagaa	agtgattttc	tagtctgctt	tttttgttta	900	
attcttgtaa	tgtaagcaat	aaatatggag	tgtagtagt	ctccttccac	cccagaaatg	960	
tggttggtga	acattctcgt	ttcttttaac	aacctggaag	tacctttctt	gtgatcttca	1020	
ctgaggaatt	agaactatga	tagaagttag	gctgtggcaa	atgggacatt	cgtagagtgg	1080	
gatagaggtg	gcagat					1096	

<210> 4825

<211> 1084

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1087)...(777)

<223> similar to gi438373 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4825

tttttttttg	acaagtaata	ttttttatta	ttgaaaaata	cacaaagggtg	aaagggttgct	60
gagcagctga	ttttccatag	tacaacagag	tattataaga	aagagggaaa	tgtatctgtt	120
atatatggca	gtttacattt	ctaaggcatt	taggcttaag	agcactaggt	cttgcacagc	180
taggtgcatt	gtcttgagtt	taaatatact	gaggcacacc	aggcaggcaa	aggattcaaa	240
actatacatt	aaaaccttgt	tcatgcattg	gtgtcttagg	attttatttc	ctacctctct	300
tattcatttt	tttcccacaa	tggggttttg	gagttgttca	tagaacactg	gaaataatcc	360
gactcttcaa	gagttttgtt	acaatgacaa	cacccaatgg	gacacaccaa	acagaactac	420
ttcacagata	cattctgggtc	tcttaccaaa	atgaagctcc	cagtaagaaa	aacactggat	480
ttgcaaggc	acagtggaga	caggtttaat	gcattaaata	taacatgaat	cattcacaat	540
aacaagtttc	gtgtttcagg	gaacttttgt	taatacaaca	cagttgggtca	cacaaaatac	600
aatgtcttct	gttgatttgt	cttggcaact	cagatacatc	aacagtgtca	acagtttaac	660
agctttgttc	tcattctgaca	gaaaataatg	gcagttctgc	aaggcaaatg	ttaaacctga	720
ccgtatgtat	ttattagttc	cacagtgttt	tgacagatta	taggagatgg	aactcagagg	780
atgctgacac	gctcaccgag	ggctttcatt	tctgtttctt	cagtctcagg	agtgtcactg	840
tggttagcac	ttggattgat	caggtgtgtg	gggtactgca	gccctgtctc	gcctgcatac	900
ttctcccacc	tcaggtcatc	actttcatgg	gtgatgtagc	gctccccgat	tttgcatttc	960

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agctctcgca aatctaacca ggtctgatag tcctgtagcc aaggggtggct caaggtctta 1020
tccacactgt agcgctttct catttttact tgcagcaaat tggtgataag atcaatggct 1080
tcat 1084

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```

<210> 4826
<211> 1749
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1750)...(607)
<223> similar to gi3283879 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 4826
cccccttttt tttttttttg aaacaaagtt ttaattttta ttttacatat ttatacataa 60
aactttcaag gaacctctcg aatccaacag aatgttaata gcacatctaa aaaggaactt 120
caggtagtca acattcacaa aatggtgaaa actgagtaaa atatacatat tacggagagc 180
tacaacttca ctacgaggca ggcattgtatt ttttgacttg tatagcaccg tcatttacag 240
ttcttcttta aaactacagt gaagaatgaa aagtagtcaa tgggaaaata ctgttccaac 300
ttaaaatctc taaacaaata aaaataaagt taaaactact ctcttttatt aacctgatt 360
tgtggtggtg tcagtactgt acattttttg taacaatatt ttattaaaat gcctgatatt 420
aagtggcaca agtaaaaaat taaaataaat taagaagcaa aggccaatca ctggacatta 480
agcttcagac attatcaatg actaactctg atatttgttt ctgcgccacc tttagcaaca 540
gcatttttac aaccacagaa gcaaaataaa ttctagcttg ttctctgggt gaatggcttc 600
ttttactttt gcaggcattt tctctgccat gtgcttctgc tgactttcag catgtctggt 660
caagtcttca atgtccacca gcatggcatc ctgctctgtg tgcagctcat ctcggatgag 720
aagcagctgg accaactctt cattcaagct ttctatctgg gaatggagat cattgactat 780
cacttgtagc tgcccaatag tcatgtctct caggtcggtg gggttttaaac ttcttttcat 840
caagcattca cttatatgag gcatgtgtgg cagaagatca gcgacgggag actttttcct 900
gttctgtttc tccacttcta ctgcatttt ggccattggt ttggccatgg caagggccat 960
tttggtctca gcttgcaatt tcttttgctt tgtaagggaag tccatgtcat ccaaggattc 1020
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caagggggtg tccaagctgg ttccagtctt actgtcatca gcatcactgt ccttatcact 1140
gccactgtcg ttgacaaagc atatctgcaa gttcatccca ctctgcagtc gggaggaaag 1200
gcttggtctc ccacttttgc tacagctggt ataaattcct gggccatcat caaagaagct 1260
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cttctccagc gcctcccaat ccataggtgg caccgggggc tcttcgggga cgcacgtccc 1440
gccgtctggg ggctgaaggc agagccccc agccgcccgg ccgcggccac tgcgccggcc 1500
cccagccggc tggggctttt ggatcgccc cgggggggcc cgggaacagc tcggccggcc 1560
agccaccacc acgttgccat tgtgcctgag gtcctggggg tcgtgctggt ggagggtgcc 1620
gttgggcacc gggggcggca tggcggtggt ggcgctcctg ccccgccgc cgcgctgcg 1680
ggtcctggcg cttacgtccc ccggttcccc ggccggagag cggtcatccc ggtaccctcg 1740
ctggtcgcg 1749

```

<210> 4827
 <211> 2301
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(820)
 <223> similar to gi306714 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4827

aagaaattgg	ccctccagaa	aaatgtat	ttt	tgtgagaaat	gtgaaggtgt	tggtgggaag	60
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cagatcgggc	cgggcatggt	acagcagatc	cagaccgtgt	gcatcgagt	caagggccag		180
ggtgagcgca	tcaaccccaa	ggaccgtgc	gagagctgca	gcggggccaa	ggtgatccgt		240
gagaagaaga	ttatcgaggt	acatgttgaa	aaaggtatga	aagatgggca	aaagatacta		300
tttcatggag	aaggagatca	ggagcctgag	ctggagcctg	gtgatgtcat	aattgtgctt		360
gatcagaagg	atcatagtgt	ctttcagaga	cgaggccatg	acttgatcat	gaaaatgaaa		420
attcagcttt	ctgaagctct	ttgtggcttc	aagaagacga	taaaaacatt	ggacaatcga		480
attcttgtaa	ttacatccaa	agcaggtgag	gtgataaagc	acggggacct	gagatgcgtg		540
cgcgatgaag	gaatgccccat	ctacaaagca	cccctggaaa	aagggattct	gatcatacag		600
tttttagtaa	tctttcctga	aaaacactgg	ctttctctgg	aaaagcttcc	tcagctggaa		660
gctttactcc	ctcctcgaca	gaaagtgagg	attacagatg	acatggatca	ggtggagctg		720
aaggagtttt	gtcccaatga	gcagaactgg	cgtcagcaca	gggaggccta	cgaggaggac		780
gaagacgggc	cccaggctgg	agtgcagctg	cagacggcat	gacgtgggtg	ggggcagcgt		840
ggccccaccg	gactagcaca	tgatgaatgt	aaagttggca	caatgaaaat	gacatcgctt		900
taatggcctt	gtgtttggga	tgtcctgtgt	atgtgttcaa	cattcttaat	tgctgagtgt		960
ctttttggct	tttcttttgg	ttgtaactta	agttatagct	taatttatat	ttaaatgttt		1020
taagtataaa	tcacctctag	tctgcatatg	gaatctgttc	atctctat	tcaggatata		1080
cttttgagat	gtcagtgatt	gcaccaacac	tttgtgcttc	tagtggtctt	gccataattc		1140
agtgtcacca	ataaggcaca	gcccagttag	cagcttagcc	cccctagcaa	accccaaggc		1200
acaaagtggg	catcctgact	catctctagg	tctgtggttt	ctccccctct	cccttggcag		1260
agttattgag	ggcatgatct	cagggctgct	aagataacat	ttctgaggat	tctagatgat		1320
cctcttaaag	aataaaaagca	catccgtgga	tccgacatgg	ctgcatgtgc	ctgcttaaca		1380
gggccaaact	agttcctact	gttctgtgcc	cttcagtggg	tggaaacgtga	gtgtctgatc		1440
atctctcttg	gaagttttct	gaaccttcca	agctctgtgg	tgaggacaaa	ccagtgtttg		1500
aatcatatgc	tgataactgt	ttgcctgtga	ccctcacacc	ttgttcttca	gggtttta		1560
gattttctgt	tgacaacttt	tgcaatgctt	tcccaccaa	gtgcttactt	gtaaagaaaa		1620
ctaaatcctt	ctgtgtcccc	ggcagcctca	gtgcagcaac	agaagccaag	ggagaatgct		1680
gctggtttgg	cccatggcac	agccagcttc	tctgaccagt	aatccggggg	gacttgaggg		1740
tctgcaaagg	catagaactc	cccagtgttt	tccacctcat	tctcccagat	tgagctccct		1800
tccaaaggat	cgttctcttc	attgcacagc	catattacaa	agggtttctt	gctcaagtga		1860
tgttttggta	agaacttcgc	tgagttccac	tgtggattac	agtttgtatg	gactactact		1920
gtaaattata	gcttggttgg	agggatatta	gtcattat	tattcatgac	aggtagacta		1980
caattcgaac	ttagggttac	ctcagtcctt	agccattact	gcttatttct	ttccccaa		2040
tcacaaaaaa	cttgtaagct	gctgggttaa	agcagaggcc	acctgtcaga	tctaccctac		2100
ccttatttgg	ttacatggca	cctgagagtt	tactcagac	caggggatct	tccttaggga		2160
ggggctcaaag	tggcagatca	ggaccatggc	agggtaaggt	ggaaccaggc	tggcacggga		2220
ccagggtttcc	ggcaaaacat	tggccagcta	gtgagggcat	aatttggctc	aaagtataga		2280
aacaggccac	ctggtggcca	c					2301

<210> 4828
 <211> 728
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (165)...(242)
 <223> similar to gi5912043 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4828
 cttatagcaa aagctttttta ctttttagagc tatttatccc aagaactggt tattacacag 60
 aaaattacac tttcacaaaa tattttttgt tatgctttga gcttatgtaa atgttttata 120
 cttacttaac tttatttctg ggctccacca aggctatgag aacagatgat gcaaaagaaa 180
 ttatgagaca cagtttcttc tctggagtaa actggcaaga tgtatatgat aaaaaggtaa 240
 gatttcttta tggcatagtg tgtatatatt ttggctgcac tgctaaaatg aatttattgc 300
 caaaattatt ttaagtgaat aaaagttaat gatgtaatga tactttccat tttaccgaca 360
 ttttaagtga tattgaactt ctgtgcacaa aattttactc atgattttga ctccccaat 420
 gcctcttgag attttgctca acatgatcac agaatttttc tatttttttc ccataataat 480
 ttgtttgcct ctcatatttt ctttaatttt aataaagata ccaagtgtta atttttcttt 540
 aagaaaacta gttaaaattt ttttaatttg ccttatgtct ttaattttta agtgaacact 600
 tcagattcat ttatacaaat ccttgtttta aaagaaattt aaagaaattt gtttttaata 660
 tttaatgaag gtagtaaaca cagtgtctta ctttggaact ctctgtcatt tgaaacagaa 720
 ctttattg 728

<210> 4829
 <211> 2015
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1991)...(1716)
 <223> similar to gil872200 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4829
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 tcattccatg ctctttggca ccaggcagga gatgctgcag gcagggtgtcc gtagttggca 120
 aaaatgggca gtaggggaaa tggagttgct tcaacctttc tcagtcccg gacctactgc 180
 acccaccaag tcaagcagag ctgggtgggc tgagaccagc atcccagctg gactgagcct 240
 ggggggaggg gctggagcca aggagcccc ctgggtgggg gcatcaggag caggggcagg 300
 gcctgaggac tgctccccct gcatggaggg caggccagga tggagcccag ggtagacttt 360

gaggaaggct	cagtgggctc	agcagaagga	aggctcttct	catagttgtg	gtttttcaca	420
gatggatttg	ggtgatctga	gtgtgggtcag	gccctgccgt	tggggaatga	atgccacacg	480
gggtttgtct	gtaagctgca	gtgtctgtga	ttctgtgtga	actgacagca	gggagctgaa	540
ggacaggccc	cggccttggg	agaggacacg	ggcatgggct	gctggatgca	gggctcccag	600
ggctgtgaag	gcagaggggt	ctctggaggc	agacaggggtg	ggctgggggc	cagcagcagg	660
gggcagagcc	ccagccaggg	cagctgcttc	ctgcacatag	acattcctcc	tgcgcagggc	720
caagtgccca	tgagcacagc	cccagacaga	cacgggtggg	agcttggagc	cctccgctca	780
cctagaggag	ccctgggaca	cgcactggaa	agtattctag	gggcttcctg	ccttatcctt	840
ctgtttgttc	atacacttag	tgaaagcaga	tcctgtacta	ggatgtgagg	atatctgtca	900
cctgcgtggt	ccattccata	aacaccagat	tccatttcag	ttgccacaca	ttttggggct	960
agacttccct	aaacaacatg	ccattgtgaa	ataatgcata	tatttgtatt	tttaaatttc	1020
cctgaaaatt	taatctattc	tgttccatat	gaagtctgtt	tcactacctt	aaaaaataga	1080
tactccacta	gaggctgtgc	ttaattcaaa	tccatgtgtg	tgccctgcatt	acatgtgtga	1140
acacgtgttt	ctgtcgtgtg	tgtcatgcac	atctgtgtgt	tgcatagcat	aagccaaatg	1200
aaaatcattt	gttcatggga	ttcatatgag	gaacaaaatt	aaatttgaat	acagtcagat	1260
aactgccacg	cagggcattt	ggggaaccat	ccccgaatgc	cctgatgtga	tttccctcag	1320
aaaatccttg	ttattagagg	agaaggctctg	ggcaggggca	gcagcatctc	agacatcaag	1380
tcaactttat	catctactac	atcagcactg	aagtccaggg	gcattgaggc	actaactagg	1440
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gttaccagga	gccgatttgg	aggccaggcc	ttcccagctg	agtgtctgtc	agcttcattc	1620
tctctcagct	gtgcagggga	agagcaacaa	cagacagggtg	accttcttgg	gttgtgcttc	1680
acaatggact	gggaaaaaca	tctttgaaat	caggaaatca	ggccggggcg	agtggctcat	1740
gcctgtaagc	ccagcacttt	gggaggcgga	ggcgggtgga	tccattgagg	tcaggagctc	1800
aagaccagcc	tggccaacat	ggtgaaaccc	cgtctctact	aaaaatacaa	aaaaaaaaatt	1860
agctgggcgt	gttggcgggg	gcctgtagtc	ccagctacac	gggaggctaa	ggggggagaa	1920
ttgcttgaac	ccgggaggcg	gaggttgcag	tgagctgaaa	ttgcaccatt	gcactccagc	1980
ctgggcgaca	gagcaagact	ctctcaaaaa	aaaaa			2015

<210> 4830
 <211> 2501
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (9)...(872)
 <223> similar to gi386852 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4830	
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tgatctcact	gatgaaaagg cctccagggt ttccaccttt ccgatcatca cgaatagggg 120
aaataaaaaga	agaaacaact gtaagtccac cccacacttc catggcacct gcacaagatg 180
aagagcgggga	ttcaggaaaa gaacaagggt atactcgtag acatgactgg ggccatgaaa 240
aacaaagaaa	acataatctt ggccatggcc ataaacatga acgtgacca gggcatgggc 300
accaaagagg	acatggcctt ggccatggac acgaacaaca gcatgggtctt ggtcatggac 360
ataagttcaa	acttgatgat gatcttgaac accaaggggg ccatgtcctt gacctggac 420
ataagcataa	gcatgggtcat ggccacggaa aacataaaaa taaaggcaaa aagaatggaa 480
agcacaatgg	ttggaaaaaca gagcatttgg caagctcttc tgaagacagt actacacctt 540

ctgcacagac	acaagagaag	acagaagggc	caacacccat	cccttcccta	gccaagccag	600
gtgtaacagt	taccttttct	gactttcagg	actctgatct	cattgcaact	atgatgcctc	660
ctatatcacc	agctcccata	cagagtgatg	acgattggat	ccctgatatc	cagatagacc	720
caaattggcct	ttcatTTaAC	ccaatatcag	atTTtccaga	cacgacctcc	ccaaaatgtc	780
ctggacgccc	ctggaagtca	gttagtgaaa	ttaatccaac	cacacaaatg	aaagaatctt	840
attattttcga	tctcaactgat	ggccttttct	aatttaagtg	gctatgggta	tttctttcat	900
actttattaa	agtatcaata	tccctctctc	cattgtccag	atgaaaatat	cctgatataa	960
tgcacaaaaa	accatgcagt	ttcggaacag	tctaaagaga	agtggtgaga	ctcccagtg	1020
agacaccatc	agtctccacg	gactgcataa	aattgtgtgc	cacaattcta	actcttttct	1080
gaatcttctt	cccaagtttt	ctaaactagc	acagtaaaca	gacaaactaa	tgtgccgtat	1140
ggcctgctgc	aattggcttc	tctgataaca	aatatgtacc	ttacaacata	tgtcatgaat	1200
ttgcatacaa	agattcttgt	cattcttaat	aaactgtggc	acttggtatt	tgaatgtgtg	1260
tgaaaataag	ggaagtcaag	agattaaatg	ctgaacttat	taatggaata	gaaataataa	1320
ggaggctgag	gctggagaat	tgcttgaacc	cgggaggcgg	aggttgcagt	gagccgagat	1380
cgtgccactg	cgtctcagcc	tgggcatcag	agcaagattc	tgtctcagaa	aaaaagaaaa	1440
aaaaagaaat	aataagaaaa	acttccagat	ttcaaagtaa	caagaaagaa	gacaggtttg	1500
ccaaagggag	gaaagggggg	acataaatta	attgactttc	tattcccaaa	atgggctagt	1560
tatatcaaat	aaatactccc	actgcccttt	ctgagtgaga	gtgtttctca	taagtcaaaa	1620
atTTctgttt	actcattaac	tactctttgc	aacaggcttt	catatagaag	tattctgttt	1680
atTTttgctg	agcctagatt	gagtaattct	tagtttacag	aagctccgag	cttaatgata	1740
aggatgaaaa	gcagagggag	caatatagaa	gcaggcttgc	taataaaaact	ttttaaataa	1800
ttgacaaggg	aatattatgg	aatgtgatgc	aaagtttggt	ccgaaatttt	atgaggaaat	1860
tactctctag	tctcacttta	tagtcttttt	gctatgactt	tgaagaccat	tgatttttga	1920
gaagcagaat	aataggattg	cctttcattg	ccctatagtg	caaagaaggt	atatgcttta	1980
taaccaatgt	tgtacttttg	cctagaaaaa	caagatatgg	ctttaaatag	ctacaatcat	2040
ctttggatgt	atatgtcact	gctgcttcaa	gttattggat	gcatttgaac	ctctgagttt	2100
gtctttcatt	ttaaatattg	tctgttcttt	taaataaaca	accacagatg	tcaggaaaaa	2160
gtcttaacct	gtcaactggg	tgctccactt	tttaaaaatg	attgaatgat	aacatcatat	2220
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cccaaaggca	ggggcagagc	agtcactctg	ggaggggagg	tctcttggac	caatggggca	2340
gaatctttca	ctccagggca	cataggcccc	aaccacctct	ggccaggcaa	ccttgaggag	2400
ggaagggaca	aggaaggaaa	gatgggatag	aattttaata	gagaagaatg	ccattttatc	2460
actctggcct	ctgggtgaaa	taaagatcag	tcttgatggt	c		2501

<210> 4831

<211> 1456

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (33)...(766)

<223> similar to gi2618596 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4831

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ccaagcaccg	actggggctt	tccagctcgg	ccctgccgg	cctcaccgag	gccgaaagga	120
ggctgctcaa	gggcacggtc	gacttctgcg	cgctcaacca	cttcaccact	aggttcgtga	180
tgcacgagca	gctggccggc	agccgctacg	actcggacag	ggacatccag	tttctgcagg	240

tttctgcaag	ttcatgtttt	gcatttttatg	ttcttccaca	attgatctga	tgttcaggaa	1020
aagataataa	aggcaaatta	gttagtggtt	gagacaggca	tttctctctc	ccgcttcttg	1080
actccacaga	tatattccag	cagagagcaa	cacaccagtc	atcaaaaccc	actggctcct	1140
gtgcggtgtc	acagattgca	gggttctgac	aaggcaggac	agtcaagagt	ggggacactt	1200
tcagcttcta	cttttgcctt	ctagggggag	ctttctaagt	ccccacattt	accccagatc	1260
accggaaaaa	tctgattttt	ccccgaaaag	ctcaatgact	ttaacgtgct	tggctggttt	1320
gtctcattct	ttatgaaaaga	attttggggc	cgggcgcggt	ggcttatgcc	tgtaatccca	1380
gcactttggg	aggccgaggc	aggtggatca	cgaggtcagg	agatcgagac	catcctggct	1440
aacacggtga	aaccctgtct	ctactaaaaa	tacaaaaaaa	ttagcg		1486

<210> 4833

<211> 1736

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1278)...(715)

<223> similar to gil537070 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4833

tttttttttt	ttaaaagtaa	ttacaaatta	agaattttatt	tataagtttt	catctttttta	60
gaaataaaaa	ggcttaaaaa	acaaaatggt	tgcaaaaatg	gttaagtagt	tttgttatat	120
cctaattgct	taggtgtgct	ctgtaaattc	caaataagta	aaataatata	aaaatacatt	180
ttcatatctt	tatagaacaa	aaacaaaaca	ttaaatgctt	ttggattttc	tttactcctc	240
ccacagatga	gttcacaaat	acaaaaactg	gtgtacattt	atactcaagt	acaaatctcc	300
aacagccaag	taattatagt	ttgttctggt	atgtgcaaag	tagattattt	catatttact	360
tggtatggaa	agcagagtac	aggctcaatg	gacaataatc	attaaacaca	gattatgttt	420
aagaaaatgc	tgttgtaaaa	atgtacaata	gtacatacaa	ttttggtaat	tatgcacttc	480
ttttaagta	aatacagctt	ttagatataa	atctttcaaa	ggttttcttt	gaagagctgt	540
gaggtgacta	tttcagattt	gatgaacagt	aatttgtcag	taaacttctc	aaaaaaccaa	600
tccaagaaaag	aattgttttc	ttttccctc	catgtggctg	gtttcattct	taaggaaggt	660
ctgatgcagt	aagaagatgc	atttcacaaa	cctttacaca	agtttgtgaa	ctgtcaacta	720
aagacaccac	ctctgatgtg	gatggtttca	ttcaatccat	gttcgaccag	ctttatatct	780
tctagatcgt	ctttaatgat	gctaatacaa	tggctaaggc	cttcctgttg	ttgtttcaaa	840
tgctgcttga	tttctcgtaa	cagatctgca	tctatgtaat	acctttcttc	agatctgact	900
gctccaaaat	gattctgcat	cctgatttga	gacatcaatt	catttagtcg	gcccttgaac	960
tgagttagtg	catttagttc	acctgaatc	gtatccagct	gaactcgcaa	ctgctcttca	1020
tcagcctgaa	tggcataaacc	actcttcctt	tgaatttcct	gtttgattag	gacctgtaaa	1080
gttctatggg	aaagatccat	gagtttcctc	ttgtattgtg	caattttggc	tacagatgta	1140
gtttgattct	tttgtagctc	actaatatct	tcagatatga	tatctaactc	ggtttgatgc	1200
tgcttagtca	tctgatcttg	aaccttcagt	cttcggagaa	gttccttaaa	accacatt	1260
ggtacaggaa	ttaacctgaa	gaaacgcagt	gaacaatttt	cagaccttaa	gcctattact	1320
acaaaataca	agaagtgaag	gttttagtaa	cactcatgta	attttacatc	aactttctag	1380
ggctataagg	cagatctatg	actatgagat	aaccatgtta	taccaaagag	attttattca	1440
acctccctat	tttacaaatg	aggaaataca	gttcagtcaa	aacattacat	tattaaatga	1500
aaacgcaaat	agaattttcc	gctcctagtt	agttctcact	atgctatgct	gccttaccat	1560
aatctttttt	ttttcttatt	ttttctttt	tgttttggct	gaagctttag	ctggacaata	1620
atcaatatatt	tttaaaggcc	aggaaaatga	aaataaactt	gcctcatatg	taagaattat	1680

aattaatagc tcccatgttt gctttcctag tagcaaatat tagttcttaa atgaaa 1736

<210> 4834
<211> 1231
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1232)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (865)...(462)
<223> similar to gi4469186 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4834
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<210> 4835
<211> 1501
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1502)...(478)
 <223> similar to gi5442098 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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tcagtgaagg	acttcattcc	ctttcatctt	ggtaaattcc	attttaccag	gggtggggct	180
gggtcgctct	ttatcggtgc	ctggctttcc	tcttcccagg	ggtgcagtta	ggggaagagt	240
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gccccagtg	tcttgatgg	gaggcctccc	agccttccca	agcaatggct	gtaatcctgt	360
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ggagtttctg	ccccgggtcc	ttcttaatga	tattaagctt	ataatagtgg	cgcagggcac	660
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t						1501

<210> 4836
 <211> 5532
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2)...(3662)
 <223> similar to gi3043716 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4836

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<210> 4837
 <211> 1348
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1334)...(592)
 <223> similar to gi36613 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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1348

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<210> 4838

<211> 1121

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (157)...(630)

<223> similar to gi951303 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4838

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<210> 4839

<211> 1926

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1822)...(487)

<223> similar to gi3347848 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

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<210> 4840
 <211> 903
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (897)...(531)
 <223> similar to gi3800952 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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 tgaaacataa atgaattttg tgtttagatt tgggtcccat tccaagata tctcattatg 180
 ctatgcaaat attccaaaat tcaaaaaaat ccaaaagctg aaacacttct ggtcccaagc 240
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 tctttccaaa acatataaaa gtgaattaag aaactaatac tttattagga atgttaatgt 360
 ccattaaaag tataaccaac atccattcat aagagtgacc tttggaaaga ttttgaagg 420
 gtgcaaataa gactttaagg gaagtggaca tccagtaca agaagagatt ccatgtttgt 480
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<210> 4841
 <211> 1274
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (39)...(773)
 <223> similar to gi4826433 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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<210> 4842
<211> 6565
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(4628)
<223> similar to gi2224583 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
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<210> 4843

<211> 2273

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2059)...(1148)

<223> similar to gi5921491 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

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tcatgttcac	cccaaacgtc	cagatgtaca	ggctgtagac	gggcctgcgc	agccagtgtg	1980
gcagctccac	ctgattgagg	cgaccccagg	cccgtgacag	caagcgcgtt	ggcactgact	2040
tgtacaaagc	cacctgcagg	ccacagggca	aggggctgag	ttgccacac	tgcccagct	2100
ccagagagcc	caagtagtgt	cattagccca	gctctcactt	caggggagaa	tctgcacccc	2160
acggaggaca	ccagggccca	ggtgccccac	gctgcttttg	tgatgtggtt	gtttctcact	2220
gggaaccaga	ctgcacttgc	cacacggagt	gctggattta	catacaactc	cag	2273

<210> 4844

<211> 936

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (43)...(214)

<223> similar to gi4581563 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4844

```

cggacgcgtg ggccagcttt aaatagtgga ggcggaaaat tgccatttac atttgtaact    60
aaggaagtag ctgaagccac atgtaattgc ctcttgccc aggcagagca ggcagacaag    120
aagggaaaat caaaggcagc agcggaaacgg atgatacttg aggaattcgg acgatgtttg    180
atgagtgtca tcaactctgc aggaaaggca aaaagtgacc cttgtgccat gaattgctaa    240
ctcttgacaca aaagactgat aaatggaaact gtacagaaaa ttttaagggtgc agggacactt    300
gatttttctgg aagaaaaaca attactgtat ttttaattcag tccttggtttt aaaagacctg    360
aaattataat actgaaggag aagaaaat tttt aaatgaggaa attagtacat tttaaatcctt    420
agttaaatct gcttatgccc cttctaaatt gaatttttct ttattatata gatttttttaa    480
tttgcttgagg tttcttaaga attagatgtt ctctgatacc tttgataaaa aatgtttata    540
aattcatata atttataatg tatggtgttg tatgactttg ttaatagaaa agccaaagca    600
gcagtgggta gcacccattc tttgggactt gatctagaat atctgcagac agaattgttac    660
ataaacaaat tcttatgaaa cacattcaaa tgacattttg tatttagaaa aggactatct    720
tttaaagaaa aagcagcctt ttagggccga ttctggaata atatcctgtt gtcactttgg    780
gaatgtcaga aggggaaaca atccccaggc acactaaaaa ttttttaaag ttatttataa    840
aaacatataa aatattaaag gacagtaaat ctgagaggat gggcaatgtg tttctataat    900
aaggaaaagg taacagatgc tctggggctg tctcca                                936

```

```

<210> 4845
<211> 2131
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(2133)
<223> similar to gi4589470 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4845
gcgggtagcc agaggctggg gcggctgtgg agcctgtggt gggagcggca ttgtggggca    60
gggaaaagggt gagccgagcc gacggagggg acgcgtgtcg gggcgcccc agtctatgga    120
gcggggtaag atggcggagg cggagagcct ggagacagcg gcagagcacg agcggatcct    180
gcgagagatc gagagcactg acacggcctg catcggggcc acgctcaggt ctgtttatga    240
tggtgaagaa catggacgtt tcatggagaa gcttgaaact cgtatccgta atcacgaccg    300
agaaattgag aaaatgtgca actttcatta ccagggcttt gtggactcta taactgaact    360
gctgaaagtg agaggagaag cccagaaaact caaaaatcaa gtgacggata ctaatagaaa    420
actacaacat gagggaaagg aactggtaat agcaatggaa gagctgaagc agtgtcgact    480
acaacagaga aatatttctg ccactgttga taaattaatg ctgtgtcttc cagtccctaga    540
gatgtacagc aaactgaggg accagatgaa aactaaaagg cattatcctg cactgaaaac    600
tctggaacat ctagagcata cctacctgcc tcaagtaagc cactatcgat tctgcaagggt    660
gatggtggac aacatcccca agcttcgaga agaaataaaa gatgtttcta tgtccgatct    720
caaagacttt ctggagagca tccgcaaaca ttcagacaaa attggagaga ctgccatgaa    780
gcaagccagc cagcaaagaa acctggataa catcgtcttg caacaaccca gaataggtag    840
caagaggaaa tctaagaaag atgcatatat aatctttgat acagagatag aaagtactag    900
tccgaagtct gaacaggatt cagggaattct ggatgttgaa gacgaggaag atgatgaaga    960
ggtacctggg gcccaagatt tgggtggatt ctctccagtt tatcgatgtc tacatatata   1020
ttctgtcctg ggtgcccggg aaacatttga gaattactac cgaaaacaga ggcgaaaaca   1080
ggctcgtttg gtacttcaac ctccatctaa catgcatgaa acttttagatg gctacaggaa   1140
gtattttaat caaattgtag gcttttttgt ggttgaagat cacattttac atacaacca   1200
gggcttagta aatagagcct acattgatga actgtgggaa atggcacttt caaaaacat   1260

```

cgcagcactc	cgtacccact	cgtcttactg	ttctgatcca	aaccttgtgt	tagatttgaa	1320
gaacctcatt	gtgctttttg	ctgacacact	tcagggtgat	ggtttccctg	taaatcagct	1380
ttttgacatg	ctggttagaaa	tcagagacca	atatagttaa	actctgctaa	agaagtgggc	1440
aggatatttc	agaaacatac	ttgattctga	caactacagt	cctataccag	taacaagtga	1500
agagatgtac	aaaaaggtgg	taggacaatt	cccatttcaa	gatatagaac	tggaaaagca	1560
accattttcca	aaaaagtttc	ctttctctga	atttgtgcc	aaagtttaca	accaaattaa	1620
agaattttatc	tacgcttgtc	tgaagttttc	agaagatctt	catctaagct	caactgaagt	1680
tgatgacatg	attcggaaat	caacaaacct	gttgctaacc	aggactctga	gcaactctct	1740
gcagaatgta	attaaaagga	agaatattgg	gcttactgag	cttgtccaga	ttattatcaa	1800
tacaacacat	ttggagaaat	cctgtaagta	cttggaagaa	tttatcacca	acatcactaa	1860
tgtgctttcca	gagacagttc	acactaccaa	gctctatggc	accacaactt	ttaaggatgc	1920
tagacatgca	gctgaagaag	agattttatac	caacttaaac	cagaagattg	accagttcct	1980
acagctggca	gactatgact	ggatgaccgg	agatttgggc	aacaaagcta	gtgattacct	2040
ggtagacctc	attgcctttc	ttcgtagcac	ctttgctgta	ttcacacacc	ttcctgtaag	2100
tggcagttgc	tcttactttg	tcctttatat	a			2131

<210> 4846
 <211> 2254
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (66)...(2041)
 <223> similar to gi2344810 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400>	4846	
tttcgtgact	tccggcgagg	60
taaccggacg	gtggtcgcca	120
ccctcccttt	ggtctccctg	180
cagaggttgg	ggccaagggg	240
acttccgctt	tacacttttg	300
gctacaatgt	cttctggacc	360
gtcgccataa	tagctggttt	420
gcttgccagg	atccctgaag	480
tcttgataca	gcaggtgacc	540
gcagtgccca	ggcaggagga	600
aggccctgga	gagccatgct	660
aggagaagg	cctgagctct	720
ttggtggaat	tggctacttc	780
ggtctgagca	gaaggtggac	840
cctcccggtc	attcttccca	900
ttcagcggtg	ggatccctcc	960
atgctgatgg	ctggattggg	1020
ctccagaatt	cctagtacaa	1080
tagcccatat	gctagagggt	1140
ccgcctgca	tgcttggttt	1200
cttaccgctg	gcggggacgg	1260
cctctgggct	ggatgactac	1320

acctgcatg	ttgggtggca	ctgggtgccc	gtgtgctgac	gcggctggca	gagcatctgg	1380
gtgaggctga	ggtagctgct	gagctgggcc	cactggctgc	ctcactggag	gcagcagaga	1440
gcctggatga	gctgcaactg	gccccagagc	taggagtctt	tgcagacttt	gggaaccaca	1500
caaaagcagt	acagctgaag	cccaggcccc	ctcaggggct	cgttcgggtg	gtgggtcggc	1560
cccaacctca	actgcagtat	gtagatgctc	ttggctatgt	cagtcttttt	cccttgctgc	1620
tgcgactgct	ggacccacc	tcatcccgcc	ttgggcccct	gctggacatt	ctagccgaca	1680
gccgccatct	ctggagcccc	tttggtttac	gctcccttgc	agcctccagc	tccttttatg	1740
gccagcgcaa	ttcagagcat	gatccccctt	actggcgggg	tgctgtgtgg	ctcaatgtca	1800
actacctggc	tttgggagca	ctccaccact	atgggcatct	ggagggtcct	caccaggctc	1860
gggctgcaa	actccacggt	gagctccgtg	ccaacgtggt	aggcaatgta	tggcgccagt	1920
accaggctac	aggctttctt	tgggagcagt	acagtgaccg	cgatgggcga	ggcatgggct	1980
gccgcccttt	ccacggctgg	accagccttg	tcttactggc	catggctgaa	gactactgaa	2040
gggagggaga	ggaggggagc	caagacactc	atgccactct	ggctctgaag	ggacaaaggc	2100
ttctggcttt	tgccccagc	cccttgata	ccagtaattc	aaaccttcct	catttcatct	2160
caggtgtctc	cttgctgtca	tccacatag	ccctgggggtg	aatgtgaatc	cagagtctat	2220
ttttctaaat	aaattggaaa	aaacaaaaaa	aaaa			2254

<210> 4847
 <211> 2322
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2226)...(1764)
 <223> similar to gi3294491 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4847	
tttttttttt	ttgggtttga
ctcatgggcc	agagacaggg
cactgacgct	gcatctgcca
gcttgagcca	acttagccaa
tcatgctgct	ctgcagcacc
ctcaggacgc	ctcttattgc
ggccaagaga	gaagctgcca
gcagcatccc	gggatggccc
caaggagcag	gcaggagagg
ccaagtccctg	ctggccactg
ccagtctcta	accctacccc
tgtaaaggac	ttcctgttct
ctgacaggca	ttccttgccc
gatgacaggc	attccttggc
aggctccttc	agtggaaattt
tcaaattccat	tgctgacac
ctgagctccc	tgactgcag
ccgtccaaat	cacctgggta
gtttacagaa	ctgggcagca
atcagagtgg	ttttcaagga
cccaagggca	gggagatgcc
gagtttaatc	tgtgctctgg
tgacacaggg	ctcccagccc
gtgcgtcctg	gtgtgactgc
gtgtcaccag	cctcatgggt
gatatcccca	ggcctgggag
gttgaccaa	gtggagtgtc
aaggcgctgg	tagggagcca
gctgtcaggc	ctgtgaaagg
gcccagaacc	ttggcgagct
gcagggtgacc	tcctgggcca
aaggggagga	aaagggaagg
caggaagaga	ctggatgctt
cctcccagag	ccctggatga
tgctggctgc	agggcacctg
ctgcccggcg	ctgcccggctg
acagagcaca	gctattaata
tgctttggtag	cagcactgct
tccacgccat	ggtagctgct
cagagcttta	gctgggctgc
aacagacact	cagttgtgac
ggtgagggca	gcactttgca
tccactccca	ccctgctggg

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aggcacaggg acacagaagg ctccgctgga ctttcagtca tactgatggg gctctggtcc 1320
atgcaagcct ctccaacag tcagaataat cagtccctct gccccctgag gggctggatc 1380
cctgaatgag tttttcaata aaatacagga cacacacccc tagaccgcc tcagtcccat 1440
cggcaggccc tggttacctg aatcccggac aggtgcagag cctgcccctg ccaacccac 1500
ccaaggccca gaacccagcc cacaatgcct tccaagccta aaagtgcac ttcgattaca 1560
agcatctgta aacaaaatcg tcccccaaac gtgtacttac aagggttaaca atgaatgcct 1620
ttgcttaact ccaattacac tctttgaagc cacttagccg agcagatgct taagcccccac 1680
ctattaattht gggttaactgg ttttcaattht cttttttttt attctgcaga ttaaagacac 1740
tcaatcttta accttgaagg gcaggcaaaa ggtcggctat gctgtcaaca tagaagtcag 1800
ggaccatttht cttcttagac acgcagtcac tttcctgatt attcttcaca tcccctagag 1860
tggagactcc ggtgagggtc aggatggtct tcaggccaca ggtggcgctt agggaggatgt 1920
ctgtgtccag gcggtctccc accatgacgg tgcgctcggg gttgatgccg tattcctggg 1980
acacgcagtc gaaaatgaag cggctgggct tcccgatgat gtcggcctgg cgctgggcgg 2040
ccatctccac ggctcggacc agacacccgg taccgcgat gaagcggccg ttctcaagcg 2100
gaagccggtt gtccatgttg gtgcccacga gcaggcaccg gggctgctgc aggtagcgca 2160
gggccttggg gagcttcatg tagctgaagt gcgggtcaaa gccctccacc tccgcgcgca 2220
ctgtcgtggc tccatgcggc gctgtgcatg ccatgtcgcc gggacgcctc gccctgcacg 2280
tggctcgggc cccactgccc actgctggcg acgcctcacg gc 2322

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<210> 4848
<211> 1328
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1314)...(490)
<223> similar to gi3881771 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters.

```

```

<400> 4848
tttttttttt ttacttttaa tatttaatat gaatttggtg taggtgtaac aatgtgtgta 60
ttgatctca aaacatgtta tattttaagc aatggcttg agagaactaa tcaattcata 120
ttctgcattt ccagccaaag ggacataggc acaactgact ggtggcacct tctgtggga 180
agcctcttcc atccatctac agcattgata cttttataaa gtatgaattt atcttgcttg 240
aagagttaag tctcattttc catggttaat gcaggattgc tcataccagc tttgcatttt 300
cctgggttta tgctgctctc cgtccaagac tgagaatcag taagaagggtg gctctgggac 360
tctctcaatg gctttgcagg aaactgatgg ttttcgagat ttttagctgt ggaattcagc 420
cctgcaggag tagatgcttg ttcaggatcc tgggttaaca ggcaagttgg aaaggagcag 480
ccatcaccta gacttgaaaa aatgggtagc aaccagtact tcttctcatc accaaaaact 540
tgtcgcattg ttttactgaa acccaagctg aatccattct tatctgttcc atgtcgaaat 600
actggacttc tgaatgcctc taatgtagat ttatttttgc tgactagccc aaccaatgat 660
agccaaaaca gagaagacaa gctgacagaa aacatagctg cagcaaagaa taaaacata 720
atatggaact tggcttgagt atcaggtagg ccatttgtcc aaaatttgat aaaatactgt 780
aaatctgttg ccgcaataaa aaggcagtag agcagagaaat aagccaagaa aaggagaaag 840
aacttataat ttgaaaatcc aacgcaattg ttcacccatg gacaatgatg atccatcttc 900
aaaatacatt tatcacagac ggagcagtgat tggcagcgat ctgggttttat aagttggcat 960
ctgtcacagt atcggatggc tccagacatg gtccctgggt agatgggaag atccttggct 1020
gctgccttaa gaacttctg atgggcttct cctcttggct ctctctccaa caaatctttc 1080
tctgcataag agagatggaa ttcttttgaa ggattcattg gtaatgtaaa gatagttttc 1140

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cagtatgacc	agacaaacat	tgcaaaaagt	agatgatagg	ccatcaggca	cacaacttgt	1200
tcgccagtgt	tttccatgga	cactatgcac	agctggatgg	cgtaggcgta	gtaggaccag	1260
ccgagcagga	gggtgatgaa	caccaccggg	atccagtaca	gcacccgccg	gcaccgccgc	1320
ctggcgct						1328

<210> 4849

<211> 929

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (13)...(570)

<223> similar to gi4240279 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4849

ggtggaattc	cccactacct	gcggggcgctg	aacaacgcgc	gccagccgtg	gcacaacgcg	60
gatgtccggc	tgcggtacgg	gctgcggccg	gggaacgcca	cggaggaggg	cctggccagc	120
ctgcacagcg	tgctgttccg	caagcagccg	ttcctgtggc	gcgctgcact	gctctactac	180
accatccacc	gcgccgcgcg	catgtccttc	cgtcagctct	tccaggacct	ggagcgctac	240
gtgcaggacg	ccgatgtgcg	ctgggagtag	tgcgtgcgcg	ccaagcgcg	ccagaccgac	300
acctcgctgc	caggttggtt	cagcaaggac	caggtgtacc	tggacggcat	cgtagcgatt	360
ctgcgacatc	gccagaccat	cgatttcccg	ttgctgacct	cactgggcaa	ggtgtcctat	420
gaggatgtgg	accacctgcg	gccccatggg	gtgctggata	ataccgggt	gccccacttc	480
atgcaggact	tggcacgcta	ccggcagcag	ctggagcaca	tcatggccac	caaccggctg	540
gatgaggcgg	agctgggtcg	cctgctaccc	gactgatgtc	cgttgagggc	tgtagtcaga	600
ggccctggac	agaagctcca	gataggcccc	tagaacatga	agcagtttgc	tctgtgcgtc	660
cacggcctag	gtgtttcttg	ggggtgttgg	gagggcagga	gcattccttg	aggaggagtg	720
gcaacatcaa	agtgtttgtg	tcccttgcca	gcctccctgg	ggtctgggga	cctgcagcag	780
catgtctggc	aaactgagtc	gccctcctgc	ctccagctct	ctgttgagca	gagggaaggc	840
atggggggcag	gaagagagct	gagcattgat	ggggatgggg	gtggtttggg	aatagaaact	900
tgttcttgca	tgagatggct	ttggatgcg				929

<210> 4850

<211> 1621

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (173)...(375)

<223> similar to gil293734 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

00457E.04100

<400>	4850						
tttttttagaa	cgaactttat	ccatagtagc	agtgtacatt	cccactagca	acttaggaga		60
gtttcagtta	ctctactcca	catccttcca	acagttgata	tcaccagtg	aactgcataa		120
gtaatgttaa	tttaaagata	cagcaaagt	ttttgtttct	ttatttcaga	tgagaaataa		180
cttttagacat	tatttcattg	aaccttccca	actgaaatta	ttttatgatg	ttataacatg		240
gatagtaact	caagtagcaa	taagttacac	agttgtgcc	tttgtgcttc	tttctataaa		300
accatcactc	acgttttaca	gctcctggta	ttattgcctg	cacattcctg	gtatccttagt		360
attattgttg	ttgccagtga	aaaaaactca	aagaagaaag	aatacacatg	aaaacattca		420
gctctcacia	tccaaaaagt	ttgatgaagg	agaaaattct	ttgggacaga	acagtttttc		480
tacaacaaac	aatgtttgca	atcagaatca	agaaatagcc	tcgagacatt	catcactaaa		540
gcagtgatcg	ggaaggctct	gagggtctgt	tttttttttt	tggagggtaaa	caaaaaccaa		600
cttaggcac	ctttttcaagg	gggttgagtt	tgttgggaaa	aggcagttta	actgggggga		660
aatggacagt	tatagataag	gaatttcctg	ttacaccaga	ttggaaattgg	agtgaacaaa		720
gccctcccat	gccatgtccc	gcgtggccac	gccttatgta	agaatttttc	catattttcag		780
tgggcactcc	caacctcagc	acttgtccgt	agggtcacac	gcgtgccctg	tttgtgaatg		840
tatgtttgcgt	atcccaaaggc	actgaagagg	tggaaaaata	atcgtgtcaa	tctggatgat		900
agagagaaat	taacttttcc	aaatgaatgt	cttgcccttaa	accctctatt	tcctaaaata		960
ttgttcctaa	atggtatttt	caagtgtaat	attgtgagaa	cgctactgca	gtagttgatg		1020
ttgtgtgctg	taaaggattt	taggaggaat	ttgaaacagg	atattttaaga	gtgtggatat		1080
ttttaaaatg	caataaacat	ctcagtattt	gaagggtttt	cttaaagtat	gtcaaattgac		1140
tacaatccat	agtgaaactg	taaacagtaa	tggacgcaa	attataggta	gctgattttg		1200
ctggagagtt	taattacctt	gtgcagtcaa	agagcgcttc	cagaagggaat	ctcttaaaac		1260
ataatgagag	gttttggtaat	gtgatatttt	aagcttattc	tttttcttaa	aagagagagg		1320
tgacgaagga	aggcaggaat	gaagaagcac	tgcgtggcct	ccggtggaat	gcacggggca		1380
cagccgcgac	tctgcaggca	gcttcccccc	catgccaggg	ctctgcgcctg	tcatgtgaga		1440
cttaaaaaaa	aagttgaatg	acttcgtgat	actttggact	tctaaattaa	atztatcagg		1500
cataaattat	gtagaattag	aggctttgaa	aataatactg	gtaggtttgc	caaaggtttt		1560
gaaagagaaa	tcgctaggta	ggttactatc	tggctaattc	atttcttatt	cttgacaatt		1620
a							1621

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<210> 4851
<211> 4797
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (4798)...(2398)
<223> similar to gi5689491 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	4851					
tttttttttt	ttaaagttta	aacacctttt	atttgaagaa	atattgcttc	tagactttcc	60
tgaagccaga	attgttctat	aaaagtatca	tggaatatta	tacatgatta	aaaaacagag	120
tatgcttcct	aataacttga	aatcttttta	caaagcacat	tattcatgat	cataaatatg	180
tttgttctgt	catccaccg	atgatacaca	catcaggcaa	gcagctaatt	tgaacatatg	240
tacagagtct	atgataaaga	tttaaagtta	ccaaaaagat	tcagctataa	catattaaat	300
tttcttttaa	agagtttacc	ataaacactt	aaagaaaaca	taatttatct	aaqcacttga	360

attatctctaaa	aataagaaga	aaacctctct	tagggtaagc	aaaaacacat	catcttgggg	420
agctgaataa	aagggtactg	atgactcagt	gaggtaatcc	ctttagctgg	tatttaaaaa	480
cctaatacac	aacaaggata	ttttcaagaa	tacagatttt	caaaagcaat	tttgaactat	540
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CONFIDENTIAL

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ggggga	cgtcatcgaa	gtgatggatg	ccaccaacag	agagtgggtg	tggggccggg		420
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gcgaga	catgttcagc	gaggagcagc	tgcgtaccat	cttcgggaac	atcgaggaca		720
ccgctg	ccagaaggcc	ttcgtgaagg	ccctggagca	gaggttcaac	cgcgagcgcc		780
cctgag	cgagctgggt	gctgtcttcc	tgagcatca	agccgacttc	cagatctact		840
gtactg	caataaccac	cccaacgcct	gcgtggagct	ctcccggctc	accaagctca		900
ctactg	gtacttcttc	gaggcctgcc	ggctgctgca	gaagatgatt	gacatctccc		960
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catgaa	gaacgtggcc	cagctcatca	acgagcggaa	gcggagactt	gagaacatcg		1140
gattgc	tcagtggcag	agctccatag	aggactggga	gggaqaaqat	ctcttqqtca		1200

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<210> 4853
<211> 1321
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (211)...(639)
<223> similar to gi5002553 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

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<400> 4853
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gcaggtggcc acccctgggg ggaaagccat ggaatttgtg gatgtgactg agagcaatgc 180
acgctgggtg caagacttcc gcctcaaggc ttacgccagc cccgccaagc tcgagtccat 240
cgatgggtgc cggtaacctg cctcctgat cccagctgt cctggggccc tgaccgacct 300
ggccagcagt ggctccctgg cccgtatcct gcagcacttc cactctgaga gcaaaccat 360
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tgcaagcgag cctgacgctg tccacgtcgt gctggaccgc cacctggtca caggccagaa 600
tgccagctcc accgtcccgg ccgtgcagaa cctgctcttc ctctgtggca gccggaaatg 660
aacctgctgg gtagatgcac cccctgagac agcccagggtg tctccagagg cagccccgtc 720
tcaggcttca gggaccccgc ctcttccctc ctgacaaggg cctgggatgg cagcctggtc 780
tggccctgat gggattgttg gaggcctcct ggaatcagct ctgagcgggt gtcggctctc 840
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```

aggccgaccg gcaactggcag cactttcctg ttgaagaaat cttcctggcg tgtggtttca 960
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caaatgcccc acctaatacc atccccctgc aggtgaggac ttaagcagggt gggttttggg 1140
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tggtcagcca gatctgacat tgagcccagc attgaagatc aaagcagggtg gggctttggg 1260
atgtgaagtg gggttctgacg cggggcccca cagacctgtc tccgcgtgag cttgctgcag 1320
g 1321

```

```

<210> 4854
<211> 3264
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3265)...(589)
<223> similar to gi4587965 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

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<400> 4854
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caactccaaa ttccaggctc gatgcttagg gtgttagtca ttaagcaaat tcttctctgat 180
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cccggtgcccc gcttcttacc cccaaccacc agtgaagggtg ttttagttct cccagccac 300
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gagttcagaa ggaagccctt tttcctgctc agctgcttca ctaaggtctg gaagcttgag 1920
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<210> 4855

<211> 1130

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (182)...(505)

<223> similar to gi3687482 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4855

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ggggcccaaa aagtcggaca tgtgcgaggg ctgcggtca cttgctgcag ggcacccggg 180
atatatcagc catgataaag agacctccat taaatacgtc agccaccagc acccagcca 240
ccccagctc ttcagcattg tccgccaggc ctgtgtccgg agcctgagct gtgaggctg 300
ccctggccgt gaaggcccca tcttcttcgg agatgagcag cacggctttg tgttcagcca 360
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atgccacag cgtgctcaga ggatgaacac agccttcacg ccattcctac accagaggaa 600
cggcaacgcc gcccgctcgc tgacatcgct gacaagtgat gacaacctgt gggcgtgcct 660

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ggaaggtgct ccgaccgagg ataccttggc ccagatggag aagctcgctg atttagaaga 780
ggaatcagaa agctgggaca actctgaggc tgaagaggag gagaaagccc ctgtgttgcc 840
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cctgcccaca cgccttgctt ctggaccctc caccttgaaa accctgcagg aagtgactga 1080
cagcctcctc ggtgggtggc tgatggcaca gggcggtggg ggtattatcc 1130
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<210> 4856
 <211> 1523
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1393)...(890)
 <223> similar to gi4220590 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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ccctccaaaaa ctctgcagat gtaaaaccac tggtagagaca ctaaaagcag ttcgactagt 180
agagaagtgg attttcatga acattttaca cttagagcata tgaatacctc ttttaagtgc 240
aaaaccacac cacattacac taatgcagca acaatgcatt cattattggt ctcatgtgc 300
attagtagtc aacttgcata aaacaccaga aaaaagcaca atggagttca caaagtgggc 360
taaaaaaaat gaacctgtcc ttgcaaaaca cacattgtaa tggaagaaga gacgttaaaa 420
aagtatatgc acactttaga agctgtgttc attccaagga tctcaagtgt catttccttt 480
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tgtagccagg gaagaaaagg tcaagtagag tctgcagaat ctcatggga atcatgatgt 960
aattctggcc aagatcatgc cggcaagcag ggcaggagaa aacctgtgcc ttaaaggagc 1020
gctgtaggca atctttacag acattgtgga agcactcagt tgtcacaggc tggtaaaacta 1080
gctcctgaca gcaaacgcac ataaaagatt gttccaattt tttcagaaaa tttggctcctt 1140
ccacaagatg tgaagcact tcatccaca gcttctggtt ttgacaatct tctctgatga 1200
gatgttgctg ttgaggagtt agttgaaaag cctcaattgc tctgctgaa tctgatgctt 1260
tgtacacttt ggaggcactt ggacagtcac catctgaaat tggccttttt gtggttccac 1320
tggtgtgctt ctttgactgt cttttaggct tcttcccttc tttatctgaa gggtaacctg 1380
ctggatactg atggggggga ggaggagag tacaatgcag atttaagctt cacagagaag 1440
gggggttttag atcctggtga gaaattaaaa aggaggggaa gactacacgt tcctcaaaact 1500
gaaaagcttt acataaaaga aac 1523
```

<210> 4857
 <211> 2459
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (28)...(1017)
 <223> similar to gi4734010 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4857

gctgggcgct	ttttctaaca	ctttcacatc	ctgctgctct	tcaggcagga	cccagatgtg	60
tccaggctta	cccagacctt	tgtcacgata	ttcattccag	ctcttctctg	aacctttctt	120
tatatgttac	aagttaaata	tttgctcaac	cagggaattg	tactgcccc	gatacgtaact	180
ggagttgcag	ccaaccttgt	caatgccctc	gccaactatc	tgtttctcca	tcaactgcat	240
cttgggggtga	taggctctgc	actggcaaac	ttgatttccc	agtacaccct	ggctctactc	300
ctctttctct	acatcctcgg	gaaaaaactg	catcaagcta	catggggagg	ctggtccttc	360
gagtgcctgc	aggactgggc	ctccttcctc	cgcctggcca	tccccagcat	gctcatgctg	420
tgcatggagt	ggtgggccta	tgaggtcggg	agcttccctc	gtggcatcct	cggcatgggtg	480
gagctgggcg	ctcagtcctt	cgtgtatgaa	ctggccatca	ttgtgtacat	ggtccctgca	540
ggcttcagtg	tggctgccag	tgtccgggta	ggaaacgctc	tgggtgctgg	agacatggag	600
caggcacgga	agtccctctc	cgtttccctg	ctgattacag	tgtcttttgc	tgtagccttc	660
agtgtcctgc	tgttaagctg	taaggatcac	gtggggtaca	tttttactac	cgaccgagac	720
atcattaatc	tgggtggctc	ggtgggtcca	atttatgctg	tttccacctt	ctttgaagct	780
cttgcttgca	cgaagtgggtg	tgttctgagg	gggagtggaa	atcagaaggt	tggagccatt	840
gtgaatacca	ttgggtacta	tgtggctggc	ctccccatcg	ggatcgcgct	gatgtttgca	900
accacacttg	gagtgatggg	tctgtggtca	gggatcatca	tctgtacagt	ctttcaagct	960
gtgtgttttc	taggctttat	tattcagcta	aattggaaaa	aagcctgtca	gcagggtgcc	1020
ctgaaaacct	tgaaggaatt	ttaacgaacg	atgttggaaa	gacaggcgag	cctcagtcag	1080
atcagcagat	gcgccaagaa	gaacctttgc	cggaaacatc	acaggacggc	gctaaattgt	1140
ccaggaaaca	gctgggtgctg	cggcgagggg	ttctgctcct	gggggtcttc	ttaatcttgc	1200
tgggtgggat	tttagtgaga	ttctatgtca	gaattcagtg	acgtggtagg	aaagaaagtc	1260
aggtcaagtg	atgcttttga	gcttacacac	aattcacagg	cccaccagtg	acaatttact	1320
gtgagttaat	gtcattcagg	tgtgcccatg	gattttgagg	gctggaaatg	caaagacaca	1380
tttttctata	aaaagaaaaa	gcaactaagg	ttaaaagcta	tattgtggcc	caagacactg	1440
tctgaaagat	gacatgagta	gtaattcacc	actatctgaa	ccaagcaagg	atcaatgtgc	1500
tgactgcatt	ggccaatggc	tttgatactt	ctgctatttt	tttagacaca	aaccataaaa	1560
ctaactgctt	aagaattcat	actgcttgaa	ttatgtaaaa	tatatattac	agtatatctt	1620
tccttggggc	ttagattact	attcactggg	caaattggtat	ttgtttttgt	tttaattttt	1680
tttttaatat	acggaagtct	tgtctgttca	tgcaggctgg	agtgcgggtg	tgcgatcata	1740
gctcactgca	gcctcgaact	cttgggcttc	aagcaatcct	cctgtgtcag	ccaccagagt	1800
agctgagact	acaggggtat	gccaccatgc	ccagctggca	tttggttaatc	ttcatttgag	1860
gtctagatct	aggcactgtg	gacactgaaa	aacagttggg	aaatctttcg	agctgtggaa	1920
atccaaacaa	agactgataa	ttcctggtag	gggtgtgtgc	gtgacgtact	gcagcctcaa	1980
cctcctgggc	tcaagtgate	ctccacctc	agcctcctga	gtagctgaga	ccacaggcgt	2040
gtgccaccac	gcctagctaa	ttttttatac	cagggtctac	cctttgtttc	ccaggctggg	2100
cttgaattcc	tgggatcaag	caatccttcc	accttgccct	cccaaagtgt	tgggattata	2160
ggcatgagcc	accacgactg	gccagaggac	aaaattttta	taaaggtctt	agcttaagca	2220
gtaatcctac	ttcattaagc	cttcctgggg	tgcggtacac	accgttaatt	cagcaaccct	2280
cagtacatac	taagtatgct	cagtgtgtgt	aaagtggatt	acaccaaatt	aagtcattct	2340
tatcacaccc	aatcaaaagt	caagaagcca	ggggataaaa	gcaccttcag	ggcacataac	2400

attaatctta gtaatgttaa ttcttctggc acatccagct ggtggaaact gcgtgctgt 2459

<210> 4858
 <211> 678
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (15)...(168)
 <223> similar to gi297157 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4858
 gcggtggaat tcgtgcgttc ttcacaaagg tgggtgatgt gggtgccacc tctctgaagc 60
 ttgagatctg ggacacagct ggccaggaga agtaccacag cgtctgccac ctctacttca 120
 ggggtgccaa cgtctgcgtt ctggtgtacg acatcaccag gaaggtaggg ccgccttga 180
 ggcacgtccc accctccttc ccaagcacct gccttctggt ttctccagtg caatgatgcc 240
 atggcgtaat cacaaggaac agagactcca ttagtgagca acagtcacct cctccaggat 300
 ggctcctga caacccccca tctcctcca cagtggggtt ctgctcctcc gtggtccaca 360
 aagaacatgc cgttgccatc tgccactcag tagttcctgg tgcctcatta gggtcagggt 420
 ttggggtggt ggccagtcct ccagactctc ttgcacaaag tggtcctttg aggacagcta 480
 ggcgtgggag attcaggagc tcgaggcctg acctgaaata ccccgaggct ggcagtctcc 540
 tgggcctggt caggggtgaag gatctgatgt gtgtcctagc agttttctgc ctggccgcac 600
 aggtcaccca ggacaggaac gtgccctcct cagaggaacg gagcagccct gcagggtgcgc 660
 ccatggccag ttggattt 678

<210> 4859
 <211> 865
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (242)...(762)
 <223> similar to gi305335 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4859
 ggaggaattc gggggcaggg ccaggaagag gggaaggctt gggaggacct ggagggcgca 60
 gccaggagac aaggaggggc aggaggagc ctggactttg gaggatgggg aaggcaggcc 120
 agggcccgga gtgggtgaag acttctcagg actaggccag gtaggcaacg aacccccagg 180
 aacactggcc caagacaacg ccctcccca acccctgcac cctccatcca cagcccggag 240

gtgcagcact	ttctacaacc	tgccacaga	gcaatcttcc	ctgagaaaga	tctgccacaa	300
agacatctgc	agatgtgcag	agggacagtg	cccatccctg	cagaagccca	gtggccaatt	360
gaggcaggag	gagctccaga	caacagcatg	tgaggcaggc	gtggattttg	tgtacaagac	420
aaagctggaa	tctgtggagg	tctctgcctc	caacccttac	gtctattaca	acacgcagct	480
cgaagacatc	attaagagtg	gtacggaccc	tgccacaccc	ctggccatga	agaaattcgt	540
ctcccatgcc	acttgccatg	actccctggg	gttgcaagaa	caggaatcgt	acctcatcat	600
gggccagacg	tcagacctgt	ggagaatcaa	atctgattac	agctatgttc	tgggcaagga	660
gacgttcctc	atcctttggc	cagcagatgg	agatgccagc	aagaaaagaat	tgcgggacca	720
actggaggaa	tttttggaat	atatgcgcac	ccacggctgc	cagtcctgag	cctcttctgc	780
tttcagggag	gtgtcatcag	gcagctctgg	gccactgggt	ttaaccccaa	ataaagagca	840
caggatatga	cacccaaaaa	aaaaa				865

<210> 4860

<211> 3066

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (32)...(2858)

<223> similar to gil62613 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4860

accgcgccgt	aattccccggg	tcgacgattt	cgtgcgcagc	ctgctggcca	taggctttgg	60
gctcgtgttg	gctgcgtcgc	acttgctggt	cacagccacc	ttgggtccccg	ccaagcgccc	120
acgtctctgg	aggacgctcg	gtgccaatgc	cttgctcttc	gtcgggtgtga	acatgtatgg	180
ggtctttgtg	cggattctga	ctgagcgttc	acagagggaag	gcgttcctgc	aggccccggag	240
ctgcattgag	gaccgactga	ggctggagga	tgagaacgag	aagcaggagc	ggctcctcat	300
gagcctcctg	ccccggaacg	ttgccatgga	gatgaaggag	gacttcctga	agccccctga	360
gaggattttc	cacaagattt	acatccagag	gcacgacaat	gtgagcatcc	tgtttgctga	420
catcgtgggt	ttcacgggct	tggcatccca	gtgcacagcc	caggagctgg	tgaactcct	480
caatgagctc	ttcggcaagt	tcgatgaatt	agccacggag	aaccactgtc	gccgcatcaa	540
gatttctcgg	gactgctact	actgcgtgtc	gggcctcacc	cagcccaaga	ctgaccatgc	600
ccactgctgt	gtggagatgg	gactcgacat	gattgatacc	atcacatctg	tggctgaagc	660
caccgagggt	gatctgaaca	tgcgtgtggg	tctgcacacg	ggcagggtcc	tctgtgggtg	720
cctgggcttg	cgcaagtggc	agtacgacgt	gtggtccaat	gatgtgacct	tggccaatgt	780
catggaagcc	gctggcctgc	cagggaaggt	tcatatcaca	aagacgacct	tagcgtgctt	840
gaatggggac	tacgaggtag	aaccgggtta	cggacatgag	aggaacagtt	tcttgaaaac	900
tcataacatc	gaaacctttt	ttattgtgcc	atcccatcgc	cgaaagatat	ttccaggcct	960
gatttctctc	gatataaaa	cggccaaaag	gatgaagttc	aagactgtct	gctacctgct	1020
ggtgcagctc	atgcactgcc	ggaaaatggt	caaggccgag	atccccctct	ccaatgtcat	1080
gacctgcgag	gacgatgaca	agcggagggc	attaagaaca	gcctcggaaa	aactcagaaa	1140
ccgtcatct	ttttctacca	acgttgtcta	caccaccccg	ggcactcgcg	tcaacaggta	1200
catcagccgc	ctcttagaag	cccgccagac	agagctggag	atggcagacc	tgaacttctt	1260
taccctgaag	tacaaacatg	tcgaacggga	gcaaaagtac	caccagcttc	aggacgagta	1320
tttcaccagc	gccgttgtcc	tcacctcat	cctggctgcc	ttatttggcc	ttgtctacct	1380
tctaatatte	ccacagagtg	tggctgtcct	gctcctgcta	gtattctgca	tctgcttctt	1440
ggtggcctgt	gtcctgtacc	tgcacatcac	cgggtccag	tgttttccag	ggtgcctgac	1500
gattcagatt	cgcactgtcc	tgtgtatttt	catagtggtc	ttaatctact	cagtagccca	1560

```

aggttggtgtg gtgggctgcc tgccttgggc ctggagctcc aagcccaaca gttccctggt 1620
ggtccttttcg tctggggggcc agcgcacagc cctgcccacc ctgccctgcg agtctacaca 1680
ccatgccctg ctctgctgcc tgggtgggcac cctcccgcta gccatatttt tccgggtgtc 1740
ctccttgcca aaaatgatcc tgcctctccg gctcaccacg tcctacatcc tcgttctgga 1800
gctcagcgga tacaccagga ctggggggtg tgccgtctcc gggcgagct acgagccgat 1860
tgtggccatc ctgctcttct cctgtgctgct ggccctgcat gccaggcagg tggacatcag 1920
gctgaggctg gactacctct gggccgcaca ggcagaggag gagcgagagg acatggagaa 1980
ggtgaagctg gacaacaggc gcatcctctt caacctcctg ccggcccacg tcgcccagca 2040
cttcctcatg tccaaccctc ggaacatgga cctctactac cagtccact cccagggtggg 2100
cgtcatgttt gcctccatcc ccaacttcaa tgacttctac atcgagctgg acggcaacaa 2160
catgggggtg gagtgtctgc ggcttctcaa cgagatcatc gccgactttg acgagctcat 2220
ggaaaaagac ttttacaagg acatagagaa gatcaagacc atcgggagca cctacatggc 2280
cgctgtgggg ctagcgccca cctcggggac caaggctaag aagtccatct cctcccact 2340
gagcacgctg gcggactttg ccattgagat gtttgacggt ctggatgaaa tcaactacca 2400
gtcttacaac gactttgtcc tccgagttgg catcaatggt ggccctgtgg tggctggagt 2460
gattggcgct cgcaggcccc agtacgacat ctggggaaac acagtcaacg tggccagtcg 2520
gatggatagc acaggggtcc agggcagaat ccaggtgact gaggaagtcc accggctgct 2580
gagaaggtgc ccctaccact ttgtgtgccg aggcaaagtc agtgtcaagg gcaaaggcga 2640
gatgttgaca tactttctag aaggcaggac tgatggaaac ggctcccaa tcaggtccct 2700
gggcttgat cggaataatgt gtccatttgg gagagctggc cttcagggca gacgtccccc 2760
cgtgtgcccc atgcctggcg tctcagtcag ggctgggctc cctccacact ccccaggcca 2820
gtacctgccc tctgcagcag ctgggaagga ggcttagtgg agcccacgtg ggctctggg 2880
gtgcacatgg ggtgggaatg ctccgggggt gacacaggcc acggtggctc cagccaggac 2940
cagccagacc agcagagcag ggagccactt gccagggtgg aggaggagca ttgtccaggc 3000
atggcctgtg gcccgagggc caaccaccga gcaggtcaca gcacagcagt gactcgggtg 3060
ggggag 3066

```

```

<210> 4861
<211> 1462
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (145)...(809)
<223> similar to gi3647336 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4861
cggacgcgtg ggcgcagtgt gagcggcaac atggcgcca ggtctaagcg gcgtgccgtg 60
gaaagtgggg ttccgcagcc gccgatccc ccagtcagc ggcagcagga agaggaaaaa 120
gaagtcgaaa atgaggatga agacgatgat gacagtgaca aggaaaagga tgaaggagac 180
gaggtcattg acgaggaagt gaatatgtga tttgaagctt attccctatc agataatgat 240
tatgacggaa ttaagaaatt actgcagcag ctttttctaa aggtcctgt gaacactgca 300
gaactaacag atctcttaat tcaacagaac catattggga gtgtgattaa gcaaacggat 360
gtttcagaag acagcaatga tgatatggat gaagatgagg tttttggttt cataagcctt 420
ttaaatTTAA ctgaaagaaa gggtaaccag tgtgttgaa aaattcaaga gttggttcta 480
cgcttctgtg agaagaactg tgaaaagagc atggttgaa agctggacaa gtttttaaT 540
gacaccacca agcctgtggg ctttctcta agtgaaagat tcattaatgt ccctccacag 600
atcgctctgc ccatgtacca gcagcttcag aaagaactgg cgggggcaca cagaaccaat 660

```

```

aagccatgtg ggaagtgcta cttttacctt ctgattagta agacatttgt ggaagcagga 720
aaaaacaatt ccaaaaaagaa acctagcaac aaaaagaaaag ctgcgtaaat gtttgcaaat 780
gcagaggaag aattttttcta tgaggagcag ggaaaacctg aggtgcttgg aggtccagac 840
acaagaagag gattggaacc agttccgata cagcacaatg gtggttcacg ggggcaagtg 900
acagccctgg tttctctgaa ggctggacta attcaatcaa gatcaactct aagtgatttc 960
cagggaaacct tcatgactgt tggaattgct ctgtcataat aagtcaggga tatttaggag 1020
gctcatagtc tcctggaggg ataaaacatc tcggcaccta gtaatggtaa attagtcaat 1080
atgtgttagt ttcgtttgag atctcaaagt ttaggatttt ctgaagtctc agtgtctttc 1140
agagtttgag ataccttggt ttcatTTTTT tctaattttt aatttaaaaag taataaagaa 1200
tattttgtaa tgattaggat gaaaattttt atcgtcaatt ataagccaaa atttgctaaa 1260
attaaagtca gtatacttga aacaagtttc tagtaagttc tctggggtaa gatactaatt 1320
actctgataa aggggctatc aaaaaaatcc agtaaatgtt tcataagaag agatcagttt 1380
aagagtcaaa caatttgctt tgctagtacc ttagctaaag aaaaaatact attaaagatg 1440
actatcacct ttaaaaaaaa aa 1462

```

```

<210> 4862
<211> 471
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (384)...(240)
<223> similar to gi4185939 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4862
cccacgcgtc cggcgagatg gagggctgaa tttttaaaaga gaagaacagt gggatgttat 60
tttcaggcta atagaaatgg tgagatatTTT aggtttgtaa ggagaaaaag aaaggtaatc 120
aggataagtg tgattagtta gatgggtctc cactgtcatc agggaggatt gatttacacc 180
cattgtgatt tgggtgtgcct gtttctgagg agtcggcaca gatctcacca catctgaagg 240
cagtctctga cacagacgtc tcttcaactgt ggttttgatt gtcagtattc acaagaagct 300
tgagtcttct ggtgggcacc cagacagggg attgatgata tcctgggtgaa acacaagcat 360
atcctcttcc ccacgttaag tagaataaga gacaatatTTT aaaggtttgg ggaaatcctg 420
taaggcagta atcacagcaa ttaactccgc attttgaaga gaactcgtgc c 471

```

```

<210> 4863
<211> 457
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (458)...(196)
<223> similar to gil45458 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```



```

<220>
<221> misc_feature
<222> (1)...(1215)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (938)...(102)
<223> similar to gi5669015 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4865
ttttttctta aggaacttat aacttattat gggatccagt cctaaagtag attagaccga      60
tgtagaattc tgtctggaga cgttctcccc ttcaattcaa tgggaaggct cttttctggc      120
atgaactctc cgatgtctaa tgagctctga gcaccatcca taagctttcc cacattcttt      180
acataaaaaa ggtttctctc cactgtgaat tctccgatgc tgacttagat atgagctttg      240
actaaaggcc ttcccacact cattacactc atagggcttc tctcctgagt gaatcctctg      300
atgctgaaca agatgagcac cccatctgaa ggctttccca cattcattac attcgaaggg      360
tttctctcct gtatgaattc tctgatgctg accgagggtt gagctctgtt tgaaagtttt      420
cccacagtca ctacacttat agggttttctc tccagaatga actctctggg ggacaacaag      480
atgtgagtta taaatgaagg ttttaccaca ttactacat tcatggctct tcttccctgt      540
gggaatttcc ttatggatga caaccatctg cctgaaactt tcctcctggg cagggggacca      600
cctcagtctc tccgcttttg gatttctctg ctgcagttct aagggtaccct cagaggtagc      660
ttcaaagtga gaggtgtcag tagcaagttt ttctgagaac acctgtgatt ccacttcagt      720
aatgggtggg tgtggcaatg atcctttgtc cttgggctct gggccatctt ctgtaacaac      780
tgacagaaaa tgtaaatata cctgttcaact ctttgggaaa ggctgggtct ccttaggctg      840
gagctggatg ctcagtgtct cctgggctgc tcccagagat tccttcttct cccatggctc      900
ttcctgtgca ggtccatgtg cagggcctgg gacaagactg ttccctcttc tttgggtcca      960
tcatcatcat ctctcttctg cctgtgttac cctgaagggc cagagtttca gctgctgtta     1020
gtgatacagc catcctagtc tgcactagct ctgcagaagg ctcataccag ctggaatctt     1080
gcaagggcc cctcacagga ccaggaggtt ccatcggggc gctgccgcga ctgcgcgccg     1140
ntcgctggg tctacacgcg aatttcgatc cgggtacagcg ggcgtcgatn nnnnnnnnnn     1200
nnncccaat ccca                                     1214

```

```

<210> 4866
<211> 779
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (38)...(421)
<223> similar to gi5911924 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4866
atagtagacc ctcgtagacg tctagtcagt gcggtggaat tcccagggtca attcagagac      60

```

```

ccaactgaag cagcacatga gcagcaggag gcacaaagac cgcttgccg ggaagacccc 120
caagccctcc agccagcaca gcaagctgca gaagcacgca gcgctggctg tgagtatcct 180
caagtctaaa ctggccttgc agaagcaact caccaagacg ttggcagccc gcttcctgcc 240
cagcccgtc cccaccgcag ccaactgccat ctgtgctctg ccaggggccc tggccctccg 300
ccctgcccct acaagaggca ctaccctctt tccggctccc atcctgggccc cagctctggt 360
tcgcacccca gcaggagctg tccgccttgc cacaggacct atcgtccttg ccccttatta 420
gccctcatgg ggaggccaga gctgatttcc caatagccac tccttgctct ctcctgtcct 480
gagacacctt ggtttcctac atgccacagg gactgtgaac agcttcaggg gtcctgcccg 540
atccagaaag agctgggcta gttttaaggg cagctgcctt ccaaggactg tccccaccct 600
cctttcgtag gccttcagg gtttaacctt ggcttgctg gcatttccca ccctgacaga 660
cccaaagat ctatgcaaaa tctcagcccc agccatgtgg gtgctttcac ttttccttcc 720
acccaaggac ccacatgggc cagattctag ggaatcttta ggtttttaca aggccatcc 779

```

```

<210> 4867
<211> 3041
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(3042)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2998)...(2588)
<223> similar to gi34765 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 4867
tttttttttt ttaaagttca ttggttttta gtacattctc aaaatcgtgc acaatcaccc 60
actaatttca gaacattttc atcaccgcga aaagaaaccc caaaccttta gtagtcatgc 120
ctcatctctc acagcctcca ggccctggca aacgctaata tatattccac tctatatagg 180
attcggtccc attttaggac atggcatttc aatgcaagtc aggacaatat gtggggcttt 240
tgcaacctgg cttctttcac tttaggcaag ttttcaaggc tcatccatgt tgtggcatgt 300
gtgagtactt catttccttt taagagtcta ataatgggtcc attgctgagg acagaccaca 360
ttttatttcc ccattcatca gttgggtaga catttggggg tggttccact ttttggctat 420
tacaataaat ggtggccatg aacattgggt tacaagtttt tgtgtgtatg tacgttttca 480
tttctcttgg gtaaatacct aggagtggca ttccctgggtc atatgggtcac tctacgttta 540
actttttgag gtactgcca actgtttttc aaagcagggt caccatttac attcccacca 600
acaatttaaa tttctaccag tttctctaca tctcaccga cactcgttct tgtccatctt 660
tttattgtag ccatactagt gattgtaaac tgggaatctca ttgtgatttt gacttgcat 720
tcctaataga ataataatgt tgagtatttt ttcattgtgt tagtagccat ttgcatact 780
tctttggaga aatgtctatt caaacggtta gccatttttt taaattgatt tatttttctc 840
cttattgttg tgttataaga gttattttata tattccagat acaagccct tatcatatat 900
atgactcgca aatattttct cccattctgc aggttatctt ttcaccttct tgatagggtc 960
ttttcaatca caaaagcttc aaatcttgat taagtccaat ttacctattt ttccattggg 1020
tgcttggtgc tttggtatca tatctaagaa accactgcct aattcaagggt tacaagatc 1080
tatgcctatg tttctttcta agattttata gtttcagctc ttatatttag atcttgatg 1140
cgttttgagt tgatttttgc acatagtgtg agtaaagggt caacctcatt cttttgcact 1200

```

tgcatatcat	tggctcgggtg	ccatttggtg	aaaagaccct	cccttctcta	ttgaattgtc	1260
ttgggaccct	ggtcaaagat	cagtggaccg	taagtataag	tgttcatatc	tgtactcttt	1320
attctgctcc	gtatgtctat	ccttaaacca	gtaacacact	gagctgatta	ccctttaccg	1380
taaattatga	aatccaggaa	gtgtgaatcc	caccaacttt	gttctttttc	aaggcttatt	1440
tggatattct	gggtcccttg	catttcttta	tgaatttttg	gactagctta	tcaatttctg	1500
taaaaaagcc	agctatgatt	ttcataagga	ttgcaactgaa	tctgcatgtc	agttaggata	1560
gtattgccat	cttaacaata	ctaagtctga	tccatgaaca	caggatgtct	ttccatttat	1620
ttaagccttc	tttaattttc	ttccaatttt	gtagttttca	gtcttgcaact	tgttttgtta	1680
agttgattcc	tattttattc	tttctgatgg	tattataaat	ggaattatatt	aacttcgttt	1740
tcatattggt	tgttgctagt	ataaagaaat	acaattcatt	tttgatatatt	gatcttgat	1800
cttgaaaacc	ttgcggaact	tgcttattag	ttctaatagc	tgtgtgcgtg	tgtgtgtgtg	1860
tgtgtgtgtg	tgagttcctt	aggattttct	atatacaaaa	ctgtgtcatc	tgcaaatagt	1920
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aaacattagc	ttcttaaaca	tttttaaccc	aagttctaata	aggccactg	cgccagatgg	2040
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cccagcattt	gttcgcttaa	aggcaaatac	actttgaggt	caggaggatc	ttagcaccac	2160
ccttcccatc	tgaggtccca	acccccactg	ttaccccaag	tccagaacac	tggaacttct	2220
gacccaattg	gtcaccaatc	ctatatttac	cgcttttccc	aatatcccag	aatgaagaag	2280
taaaaatata	ctggagtga	attacaagtc	caggagaaaa	aacaagccac	tactgcccc	2340
gggcagcagt	gggttcaggg	tggtagaagt	acgtgtagga	ggccaggggtg	ttgtctgatg	2400
gctgagtccc	ctatcatctt	ccatcatgga	ggccactctc	cacccactg	aagccacccc	2460
aaggaggggga	gggatacaaa	ctgataggta	ccttatacac	aaacatacgc	catcacctag	2520
gagcagagca	cttatgccag	cacagcctga	gcctcaggct	gcagccctgg	ccctggctgg	2580
tgggtcacgc	cgtggatggc	tgggagcagc	tcctctggct	ggagctgcga	tggctcagga	2640
caaaggagga	cgagttgctc	tttttgcctg	cactcgtctc	tcccaggcgt	ctgcccttca	2700
ggtagctggc	ggagcagcac	aggaagcgct	gcacgagttc	gtggaagagg	tggcccgtga	2760
acagcatgta	gatccagggg	ttgcagcagc	tgttgaggct	ggccaggagc	atgacgatga	2820
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agaaaggcgt	ccagcacacg	atgaaggcca	gcacgatgat	gaaagtcac	ttgaccgtgc	2940
ggatcttggc	cttgagatg	agcttgacgc	tgctgacacg	cgccagggcc	acgcgccgaa	3000
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<210> 4868

<211> 935

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(936)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (3)...(122)

<223> similar to gil83443 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4868

gcggcagcag cctggggggc tctgactctc ccgtcttcga ggccgggagtt tttgcaccac 60


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cccagcccgt ggcagcccc cggcgactcc ccattcttcaa tcgcatctct gtttctgagt 120
gacaaagtga ctgcccggtc agatcagctg gatctcagcg gggagccacg tctcttgac 180
tgtggtctct gcatggaccc cagggctgtg gggacttggg ggacagtaat caagtaatcc 240
ccttttccag aatgcattaa cccactcccc tgacctcacg ctggggcagg tccccagtg 300
tgcaagctca gtattcatga tgggtggggga tggagtgtct tccgagggtc ttgggggaaa 360
aaaaattgta gcatatttaa gggaggcaat gaacctctc cccacacctc tccctgcca 420
aatctgtctc ctagaatctt atgtgctgtg aataataggc ctctactgcc cctccagttt 480
ttatagacct gaggttccag tgtctcctgg taactggaac ctctcctgag ggggaatcct 540
ggtgctcaaa ttaccctcca aaagcaagta gccaaagccg ttgccaaacc ccaccataa 600
atcaatgggc cctttattta tgacgacttt atttattcta atatgatttt atagtattta 660
tatatatagg gtcgtctgct tcccttgat ttttcttctc ttttttgtaa tattgaaaac 720
gacgatataa ttattataag tagactataa tatatttagt aatataatatt attaccttaa 780
aagtctattt ttgtgttttg ggcattttta aataaacaat ctgagtgttn nnnnnnnnnn 840
nnnggggcgg ccgtttttaa ggatccttcg gggggcccaa gttaacgcgg gcatgcaacg 900
taatagtttt ttccttatag ggaggcgaat aaaaa 935

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```

<210> 4869
<211> 926
<212> DNA
<213> Homo sapiens

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```

<220>
<221> misc_feature
<222> (1)...(927)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (887)...(600)
<223> similar to gi3789797 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

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<400> 4869
tttttttttt ttaaccccag aaatgtgttt attaagttgg aactcgtatt gctgtgtggg 60
gtcccagtg acgcgtgtgc acccgtctac aagatccagg taaagatggc acacggcaga 120
cgacgacagg aaggacacct gctccccacc cttcccgga ccccgccatg tgcaaaattc 180
gagctggggg ctgcagctgc ttggagagac ccagggcctc ttgctccaca gcctgcaagg 240
tttgagcagg gcaacggccc tggggcggtg agggcccgcc ctgggtcact ccccgcgccc 300
cccatgcagg cagtggaggg gaggacacgc aggaggacca gacgctaaag gtgtaaaccg 360
ggcagccgtg gcactcctca cctctcaata agataaataa ctaaataaat aaacaactaa 420
ataaagacat gaaggaatgg atgcagagac gtgaacggat ggcgaggac gtccctgggtg 480
ggggccacgg tccctttaa gcatgtggga ggctgcaggc ctctggtggg aggtgggtca 540
gaggtggtg gaggacacgg acagcgtcgg ggaggatggc ggcgggaaat tgagcagtc 600
cagcaccgcc acaccacac tgcctgcgcc ggtgaacatg caggatgcgg ccaccactt 660
gttggtcctc gggttgtact tctcgatgga gttgaggtg gagctaccgt cgttaccccc 720
cacggcgtac aaccatccgt ccatggccac caggatcatg gtgctcctgc ggatattcat 780
gggcgccacg ctttccagg ctccagcctt tggactgtat ctctctaccg agttgaggca 840
gctggtgccg tcgttgcccc ctgccacgta cagggcagaa ttcnccgga ctgtacaatg 900
gtctcaaaac ttttttctt tatttc 926

```

<210> 4870
 <211> 3992
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (3994)...(686)
 <223> similar to gi4589642 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4870

tttttttttt	ttctggagat	ttttttttta	atccttttta	gttcaacata	aaatgagaaa	60
gaaaaaaata	tttctgacca	ttttccaaag	accagaaata	ggaaagtatg	ttcatataca	120
ttcaacgtat	actgcacata	ttggttacta	caatacaaag	caatgagttt	ttttaaagtg	180
tagtttgcaa	gatggcacgg	ttagtagggc	tacttggtct	tcatctgttg	ttgctggagg	240
gtgcagtctg	ctctcccata	catacagtac	catgtaaaca	catcaggctg	agcgcgtggt	300
ggtggtaggg	caggttgggg	gcataagagt	tgggaaccaa	gcgcagataa	gtcaacagct	360
tttttagggc	ttcttgggg	aaggccccct	ttctggttga	gtaggttggg	tgacccccac	420
ccaagtggga	gggggagact	gggggacat	gggaaacatg	ggacagctcc	cacgaagggg	480
ctccttgca	tgcagaattc	cactcaagg	atcttgggtc	caggagccga	gctgccagta	540
tcagtggaga	aggacaaggt	gcatggggat	cccgccagca	acatcaggat	ggccatgccg	600
ggcaccgcgt	ttcctctgtg	caaattcagg	atgaaagact	aggaggggac	tagaggacct	660
cttgctctct	ctctgtttct	tgttacacgc	ctgcctgctc	catgctgaag	gagacttcgg	720
ggtgcttgta	gctgagcaga	atgtctgtaa	tacacgtaga	tggatagcaa	gaggagttaa	780
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tttgataaga	taaagcctgg	cgctctgtca	tgtctgttcc	cccaaggctg	ggagccagac	1080
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ggaattgggt	aagtggaggg	actttcagg	cttgggttgg	agagaccccc	actcctgttg	1440
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gcgcctgggt	gtagttagca	ggggagaacc	gattcacgtt	caagctgtga	gcctctgcac	1560
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gaaactggga	agaagatgca	gccccgtgag	gctggatcat	ggcactgctc	atggggggag	1920
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gctgaatcct	taacctctgg	agctgatggg	taaggagggc	tggctgattt	tcacatgcag	2040
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tttgatgggt	ctgctcctgc	tggataaaca	tatgctgctg	ctgggtcttc	tccaggggttc	2160
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ccccatctga	gaaccggcgc	acaggggaga	aacgctccgt	agggaggtgc	agagtgttgg	2340
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cgtccacagg	ggtaactgct	ggcactgctg	gtgtcatggt	gacaagcgga	gaggggtcccc	2460
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cgggcatggg	tccgcgggag	gccggggctg	ggggacgcgg	ctggccggcc	gcaggggaca	3900
cggcagcggg	ggcggtggg	gaccccggcg	cgggcggagg	cagcagggcg	cccgcggggc	3960
cggctccccc	agtcccggcc	ccggcagccc	cg			3992

<210> 4871

<211> 883

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (16)...(563)

<223> similar to gi3335391 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4871

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gtggagggca	gcagagagta	cccagctgga	catcctttcc	tgctgatgag	ccccaggctg	180
gaggtgccct	gctcacatgc	tcttccccag	ggtctctcgc	ctgggcagggt	catcatagta	240
cggggactgg	tcttgcaaga	gccgaagcat	tttactgtga	gcctgaggga	ccaggctgcc	300
catgctcctg	tgacactcag	ggcctccttc	gcagacagaa	ctctggcctg	gatctccgc	360
tgggggcaga	agaaactgat	ctcagccccc	ttcctctttt	acccccagag	attctttgag	420
gtgctgctcc	tgttccagga	gggagggctg	aagctggcgc	tcaatgggca	ggggctgggg	480

gccaccagca	tgaaccagca	ggccctggag	cagctgcggg	agctccggat	cagtgggaagt	540
gtccagctct	actgtgtcca	ctcctgagga	tggttccagg	gaaataccgc	cagaaaaaca	600
gaaggtcagc	ccactcccag	gggccccact	ctcctcccct	cattaaacca	tccacctgac	660
accagcacat	caggcctggg	tcacctctgg	ggtcacgaga	ctgagtctac	aggagctttg	720
ggcctgaggg	aaggcacgag	agtgcaaagg	ttcctccaac	tctgcacttt	cctccaccag	780
gagcctggga	tatggctcca	tctgccttca	gggcctggac	tgcaactaca	gaggcaagtg	840
ttgtagacta	acaaagatac	tccaaaatac	aatggcttaa	aga		883

<210> 4872

<211> 2480

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2481)...(385)

<223> similar to gi5911953 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4872

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cctcttgggt	tggaaaggac	ccattgacaa	catggcacag	acgtgagcaa	taaatacgca	120
catacatcca	agtatgcggg	ggggcgctac	gtcctggaga	ccctgtgttc	gggcacctgt	180
ccctgtctct	gggtgcggcc	ctgccccctc	agaagcaggt	cacctcacca	ggcccagatc	240
tgctcttcca	tcctagcctg	agagtggggc	ctagaggcac	cctcctagat	ggaactgcca	300
gccctggggg	ctgtggggcc	atggtagggc	ccttggcagt	cttgggaggt	gccaaggctg	360
ggtctggaca	ggaggaggca	acctcaggcc	cctggggccc	atctcaggct	ccagcaggtc	420
ctgccagtcc	taggatcccg	aacttggtgc	cctgtgagcc	ccctcccat	ggagagagca	480
gtgatgtcat	ctccccagc	tggtagggag	aggggggttc	tcatatgggg	ggtctgcagg	540
gttgagctga	gtgaagcctc	cccagcttcc	actgaccacc	ccccacttg	ggtgagggtc	600
acagagcctg	gtgctacctc	ccaccctgac	tgggcaactgc	tcttgctgcc	agtaagcatc	660
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tggggggcct	tctgtggttg	ctgacctctg	gccggggagt	ggggagacag	gcttggaggg	900
agccctgccc	caggacgaag	ctggaggggt	ggagcatgcc	tgtcacacgg	ccatcccaag	960
accagctctg	gggggacaga	acatggccct	gtccttggtg	gccccaaag	gcgggtcaga	1020
gacacctttg	gggaggggtga	gggagacagc	agggtttcac	atttggcagg	gcagggcaga	1080
acgggaaggg	cttgggggag	aggatgcggg	agtctgacag	caccaggctc	gggccgacat	1140
gccgaaggcc	cgtccgggcc	tgcggcaggg	gcagaaggga	ggaagctgag	ggccatgggg	1200
gccagcccgg	gatggaagca	cgccctccca	ccacgggcag	cttggcctga	gcctgtcgcc	1260
ctgggtcggg	gaggccgtgg	ggctgcatgc	ccagtgcctg	tcctcggcaa	tggcctcggg	1320
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ctgtgggtga	ttcgagccc	cggcaggctg	cccacgctgg	cccgtgggtc	gtccagccgg	1740
cggctctggg	agctggcgat	gaggtcgaag	aattcctcgg	tctggggcga	ggccgtcatc	1800

gagggctggg	cgatcctgtc	ctccaggggtg	ggggcgggccg	tggcctcggc	agccccggcc	1860
tggccatcgt	ccaggggaca	acgctgggtcg	tccatgcggc	tgctctggaa	cttgggtcaac	1920
aggtcaaaga	agcactcctc	gtccgaagac	ggggccctcg	ggatgctcgt	gcgtggcacg	1980
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gcgtccgggc	cttcttggtg	cttctgtctc	ctcacgggga	ggggtagcga	gtccctgctg	2100
ggcccccgcc	agtccccctg	atggtgggtg	tctccattct	gctcccgcctc	cagggggagt	2160
ctcagcaggt	cccaggtctc	cgcgctcagc	ctctgcgtcc	tcttgggtct	ggccccctgg	2220
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accagctgca	gctgcgccac	gttcatgcgg	gccgtgagct	ccccatggcg	gtccccgatc	2340
tcttggggaga	tctgcaggtg	cttcttggcg	aaggtcaggg	cctgcgctgg	gcgccccatg	2400
gacacgtagg	catttcccag	gtccagcac	gcccggccct	cgccactct	gtcggccagc	2460
tcctggggcaa	tgagcaggtg					2480

```

<210> 4873
<211> 947
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(948)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (559)...(410)
<223> similar to gil89842 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 4873						
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gacacatttt	agttgtact	aaagaacagc	attattttca	atcattttta	gtcgtcatt	180
taataagcaa	ggtataaaa	agattaaagg	tgggagcctg	caaaagggta	attaaaaaag	240
tgtttctctc	ccgggaaaaca	gactgtttg	gtctgatcaa	atgccgaagc	tgggatctga	300
ttctgggtgc	cgtctctcgc	tactggagtg	ctgaccagca	ggctgcccac	cacgaaaaga	360
ggttgcaagg	ccaggccccc	aggtgcgctg	ggatttcttg	ctggctctac	ttggggccag	420
agaagggggg	aaaggccttg	tcacagcctg	ccatgcatgc	ttcaatctct	tccacagtgc	480
ggggcacgca	ggtcagcagc	tctatgccgc	tgtcagtcac	cacgacgtcc	tcctcgatgc	540
ggacctgggt	caagccgaca	gacacacatt	atcatagagc	agcctcatgt	gccaggctag	600
agggccgggg	ccattccagg	cccacccac	catgggatgg	gagcagctga	cactccctgg	660
gagacgggtg	gcctccgggc	tccttcatgg	agccatctgc	ccatgtcacc	tgctcaccct	720
gtctttgcca	ggtggatggg	agcccctgga	gcgggcaggg	gttttgccag	atctctgtct	780
gttcctactg	aggggtgagg	ctccatcctg	tgacagacca	cacgaagggg	caggctaagc	840
ccacctcaag	ggaagatgtc	actagggcc	ctgtcttggg	actaaggagt	ctgcagctgc	900
gaattccncc	acagtgactg	aggtcatcaa	ttnnnnnnnn	ncgctct		947

<210> 4874
 <211> 2271
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (40)...(934)
 <223> similar to gi2407788 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4874

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gccttggtgtg	tcttcgatgc	acatgatggg	gaagtcaacg	ctgtgcagtt	cagtccaggt	120
tcccggttac	tggccactgg	aggcatggac	cgcagggtta	agctttggga	agtatttgga	180
gaaaaatgtg	agttcaaggg	ttccctatcc	ggcagtaatg	caggaattac	aagcattgaa	240
tttgatagtg	ctggatctta	cctcttagca	gcttcaaatg	attttgcaag	ccgaatctgg	300
actgtggatg	attatcgatt	acggcacaca	ctcacgggac	acagtgggaa	agtgtgtgtct	360
gctaagttcc	tgctggacaa	tgcgcggatt	gtctcaggaa	gtcacgaccg	gactctcaaa	420
ctctgggatc	tacgcagcaa	agtctgcata	aagacagtgt	ttgcaggatc	cagttgcaat	480
gatattgtct	gcacagagca	atgtgtaatg	agtggacatt	ttgacaagaa	aattcgtttc	540
tgggacattc	gatcagagag	catagttcga	gagatggagc	tggtgggaaa	gattactgcc	600
ctggacttaa	acccagaaaag	gactgagctc	ctgagctgct	cccgtgatga	cttgctaaaa	660
gttattgatc	tccgaacaaa	tgctatcaag	cagacattca	gtgcacctgg	gttcaagtgc	720
ggctctgact	ggaccagagt	tgtcttcagc	cctgatggca	gttacgtggc	ggcaggctct	780
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agtgtggaca	aaggatgcaa	agctgtgctg	tgggcacagt	actgacgggg	ctctcagggc	960
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caggtgatgt	gctgggtata	gcatggacct	cccagagaag	ctcaagctat	gtggcactgt	1080
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taacactgaa	aaaacctgac	gctgcggtca	cttagcagag	gctcaggttc	ttgccttggg	1200
aaacactact	agctctgacc	ttccatacct	cacttggggg	agcacagggc	cccgtctggg	1260
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tacgtataaa	gttttagttc	attgggtgtg	cgaaacaccc	tttttatcac	ttttaaat	1980
gcactttatt	ttttttcttc	catgcttggt	ctctggacat	ttggggatgt	gagtgttaga	2040
gctggtgaga	gaggagttag	gcggccttcc	caccgatgg	cctggcctcc	acctgccctc	2100
tcttccttgc	ctgatcaccg	ctttccaatt	tgcccttcag	agaacttaag	tcaaggagag	2160
ttgaaattca	caggccagg	cacatctttt	atatttttca	ttatgttggc	caacagaact	2220
tgattgtaaa	taataataaa	gaaatctggt	atatactttt	caaaaaaaaa	a	2271

<210> 4875
 <211> 1857
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1858)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1189)...(754)
 <223> similar to gi3080544 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4875
 tttttttttt ttcttgtggc cattcccagg tttaattaca aaccgatccg aacatcccat 60
 ctgggtcgac agctgggagg gcaggattgg ggggaagctg ctgggcgcag cccaggccag 120
 gcaaccacgt ccttcccctg ctcccagggt gagtaggggc ctcacgactg cctcgatata 180
 cactgtcttg gagcagcctg gctaccccgat gatcccagggt gacctcaagg ctgcctgcac 240
 ttcagcgcca gcatgtatcc tggcctgaga accccaaagc accttaagcg tccccctca 300
 aagacaactg tgcacccagt cctcagggtg gaagaggaag cccagccagg cccggaatcc 360
 gcctcctccc cagggtcctg ggagctctga ctctccgggg cgtagaccg aaccagccag 420
 gcgagagggg gacccacggg ccagggtcc gaggcagcgg ctgcttcttg atatatattc 480
 tttaaaggcg aaatggttcc gtctttggta tgaacacct cactccaggc aaaggagggg 540
 gtgggcaggg gccccggcag gaggaggctc tgcccagccc ggggccagct ggaggaagga 600
 ccatgccaga ggctcatgag gaggaaggag aggcagcggg gggttcggcct gaccaggatc 660
 caggaggagg gctgagagcc ccaaggccat gacaggcagg agccggggct gagaacaggc 720
 aggagccagg gctgagaacg gtcacctggc tcagggtctc cgtgagacca cgccacgcag 780
 gtgcagctca ctctcggcgg ccacgatggg ctgcccgttc tgcagggtgg ggctgatcag 840
 gtggctgatg ctctcaaaac gcacgtcctt cgtccgtacc acgccctcgg ggtccacgag 900
 cagcaggtgc ttgggctgcc cggcgtgcat gccgggtgagg acatactgcc cggggttggg 960
 gacgtgtct cgcacaagga agtcccgcgc agctcgaagc atcctctctg ccgcccggcg 1020
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 ggccccggcg gtaggggggc tgggccactg gtcctccaag ggaagagggg ctgctgtcac 1140
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 gggacaggag tgctgggcag gcagggggca agcagctact cctgccggga ccagagctgg 1260
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 gcaacctgga ctccccaggg tgggttttct aggcacgtac taagcatgta caaagggtaa 1440
 cagcagctct ttctttcaga ggttaactcc tatttctttt tctgccttg tcagggtggg 1500
 ttcttccca aagcgtacgc ctctcgtttc cttgtctggt cttactgcat tggccgcggg 1560
 gcctccaatg tgccctaaat actcaagacg acagccggca cccctctctt gccctcagcg 1620
 ttaaaatggt ctgccctggg ttttctaacg gcttccaaca atgccaacat ccgacaggcc 1680
 actctaaggc tctcctctga gtgtcagtc cctcattgtc aaacaggggt gggcgtgtcc 1740
 ccaggcagaa agcagcatgg ttcagaccaa acagagctgg agccccagcc ctgacggaga 1800
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<210> 4876
 <211> 2357
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (5)...(823)
 <223> similar to gi971461 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4876

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ttttgagctc	tccttcaggg	tgtggatgtg	tggtggcagt	ctggagatcg	tcccctgcag	180
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cacctacatc	aggaatacta	agcgactgc	agaagtgtgg	atggatgaat	acaagcaata	300
ctactatgag	gccccggcct	cggccatcgg	gagggccttc	ggcagtgtgg	ctacgcggat	360
agagcagagg	aagaagatga	actgcaagtc	cttccgctgg	tacctggaga	acgtctaccc	420
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agggctctgcc	aagaacccgc	agcccgccca	ggcatggctg	ttcagtgacc	acctcatcca	600
gcagcagggg	aagtgcctgg	ctgccacctc	caccttaatg	tcctcccctg	gatccccagt	660
catactgcag	atgtgcaacc	ctagagaagg	caagcagaaa	tgaggagaa	aaggatcttt	720
catccagcat	tcagtcagtg	gcctctgcct	ggagacaaag	cctgcccagc	tggtgaccag	780
caagtgtcag	gctgacgccc	aggcccagca	gtggcagctg	ttgccacaca	catgacggta	840
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gggagtgcaa	agtgggctgt	tcccatctcc	tcacatttct	gccaggacca	tcagcaaata	960
cccacatga	cacacgttct	ccaaagcttg	ttctaggagg	gcgcaggcgg	gcacgccccg	1020
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ggggctggga	caatagtgtg	tggtctctcc	cttggtgccc	ggagaaagca	aggacagaag	1200
cccacacagg	ggtcttttgg	gtcatgaggc	ccagctgtgc	aggcaggcag	ggccagggga	1260
aattgggcag	catggatgga	gaggctgaag	gctgggaaga	gggaagggga	gaggggcagc	1320
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caagcccagg	gtggcactgg	gttgggtggg	gacggatggt	gtcttggcag	caaaggatgg	1440
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accagggaca	cagtcccttc	cacactttac	cagccccagg	gtctgagccc	gacgctgcct	1560
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aagaagggaa	cttcccttct	ggaccaagaa	cagcccctaa	gtcatttagg	ttcaacctca	1920
cccttattcc	cctccccgct	acaggagccc	ctaagtcatt	agggctcaac	ctcaccttta	1980
ttccccctcc	tactacagga	gggattttct	tgaagggtca	gctattgcac	tgtgtggga	2040
ggctggctgt	ggctcctgtt	tgtgaagaga	actcccagtt	ccttttcaca	gccgctgaga	2100
acacatccac	acatctaccc	caaggccttg	tcttggaac	tgctcctgct	atccccacac	2160
cctgcttctc	caccccactg	gctcttgggg	caaagtactg	ttgggtacca	gggaccctgg	2220
ggggctcttc	cctaacaaag	gcaggaccag	cctgggggca	gatattacct	taccacaggg	2280
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attttaggag	ggttttta					2357

<210> 4877
 <211> 1770
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1771)...(874)
 <223> similar to gi4581563 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4877

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cttaagaatt	cattttacct	gctgggtttcc	acaagctagt	tatgtgaacc	atgttttaca	120
aacaataata	atattacaac	aataattatg	gagaagttaa	ttggataata	gagcttttcc	180
acaattcaag	tagaaacaca	gaagaaactg	gataatttta	agtcctctaa	ctcaagacat	240
gctgggtgcaa	gcctggcctg	cgaggcccca	ttgcctgcgt	ctcccggggg	ccttaggaaa	300
gactgacagt	tcgcgtgcct	ctgggggaaat	atctacgcta	cagaaaatct	ttaggtgttc	360
agtagttctc	tagagatttt	aagtgggtatc	acaacagccc	atccggagaa	cttattttcta	420
aataatttga	aaaacaaaca	agaaaccatt	agggttttca	tgcagagcag	cctccagagc	480
aacattctct	gagaggaaga	gtcgaccaga	gtgagctctc	cgcagggcct	gctctgccct	540
cccctgcccc	gctctgccct	tcgcagggcc	tgctgtgccc	tcccctgccc	tgctctgccc	600
tccgccgccc	tcgcagacact	ctcccaggac	tatgggaacc	caagctctct	cctctgggcc	660
agacaaacaa	tgctcaggcc	atgcacctcc	tcagaaaagg	gggcatgggt	tgccacatct	720
tcagagagct	ctgagtaaac	tccctgggcc	cagggatgca	ggggagcctg	gttggtgtctg	780
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caaatcaac	atgcattcac	actttatact	ctactccatt	ttcaatccct	tagattttaa	900
ctcagtgtgg	agaatctgtg	ataagcacct	tccaaattcc	tccaggatca	tctgctctgc	960
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aatggcttta	aaccgttcaa	tatcatgatg	caagttgttg	caacaattat	tacaattgca	1440
gttggtgcaa	aagtccccac	tggaagagca	gtcacagtac	ccagccaaag	ttatttttgg	1500
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tccctcaagt	tggtgtgtaa	tgagatttaa	ttttgttgat	gctggcaaaa	atctccctac	1620
taaagcagtc	attggtttag	ggacatctga	ctgtagataa	ttattttgat	cttgatactg	1680
aggaaccaa	tggagtgcct	ttagttctct	tggtctagaa	ttgtctatac	atagcatttg	1740
tgtgccccct	ttcaattggc	atatcaccat				1770

<210> 4878
 <211> 1345
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1141)...(588)

<223> similar to gil504034 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4878

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ctcctgacct	caggatgatcc	gctggcctca	gcctcccaat	gtgctgggat	tacaggcacg	120
agccagagcg	cccggccata	tttcccaactt	tggtttgggc	ttctgaaaaa	ataaaggaag	180
acaattcttt	ctgcctatcc	ttactatgtc	gtcctctgca	agctgtcgcc	tctgtatata	240
agtacatcta	acaacactgt	catgaaaaat	ctataccaga	gatatgatta	attccaccca	300
caactgatgt	atgttttctg	attataatttc	tcaagccaaa	tatctgcagc	aataacatgt	360
attgaaaggt	atagaaataa	acagatggat	agacagaaaa	agactcagac	tgtctaagta	420
gtgaagtttg	tgcagaacta	gaaacaaaaa	tccacctggg	tcagaggtat	agggttaatt	480
tctcttgctg	aggctcagat	ttctccttca	tgcattgtta	atgggtccacc	taagttcaac	540
tggaggagca	tctttcttct	ttgttaacca	aacatgccca	ggtagagctg	cttctctttt	600
ctatggtagc	tgctgagttc	tgactgtgtc	agctggaggt	accgccggac	gttggcatct	660
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tggaaaaagg	ccactccggc	ccgatacaag	gccttggcat	tatcaggctg	tcgttccagg	780
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<222> (23)...(231)

<223> similar to gil504032 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

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